

37th NATIONAL CONVENTION ON QUALITY CONCEPTS - 2023 (NCQC -2023)



Venue : Shri Ramdeobaba College of Engineering and Management, Nagpur

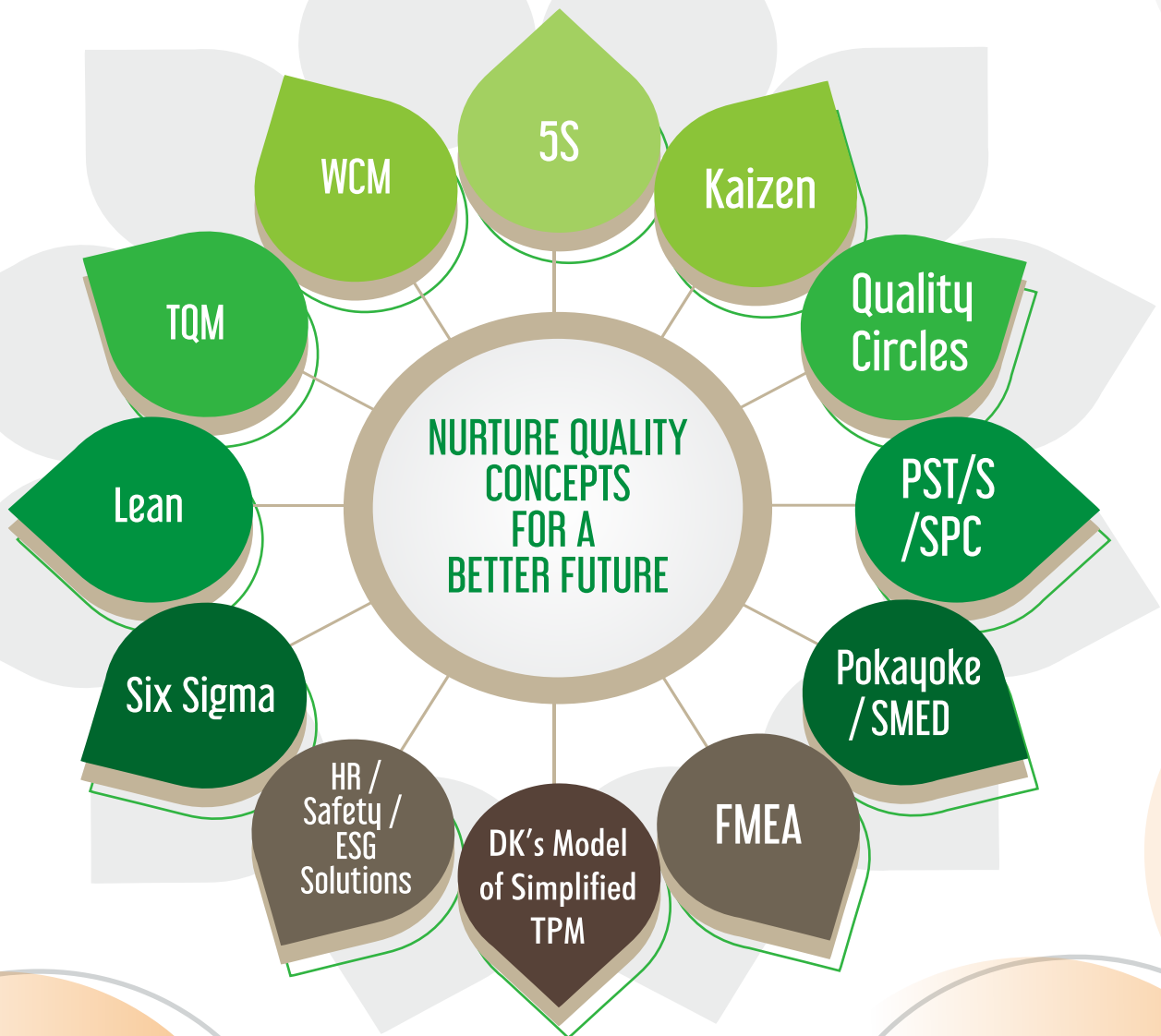
RCOEM

Shri Ramdeobaba College of
Engineering and Management, Nagpur

Hosted by : QCFI Nagpur Chapter In association with
Shri Ramdeobaba College of Engineering and Management Nagpur
Ramdeo Tekdi, Gittikhadan, Katol Road, Nagpur, Maharashtra - 440 013,

Date : January 4th to 7th, 2024

Souvenir



Organized by : **QUALITY CIRCLE FORUM OF INDIA**

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QUALITY CIRCLE FORUM OF INDIA

Nagpur Chapter

We Welcome All Delegates
Participant / Organisations At NCQC 2023
4th to 7th January, 2024



Successfully
organized
CCQC-23

Publish e-news
letter SANKALP,
dedicated to
Quality Concepts

Organized
various
training
Programme.

QCFI - RCOEM,
Center of Human
Excellence at
RCOEM,
Nagpur



NCQC - 2023

RCOEM

Shri Ramdeobaba College of
Engineering and Management, Nagpur

QCFI Nagpur Chapter Hosting NCQC-23 in association with
Shri Ramdeobaba College of Engineering & Management, Nagpur
We Welcome at NCQC-23 at RCOEM, Nagpur
form 4th to 7th January 2024

TEAM QCFI NAGPUR CHAPTER

A K Jain

Chairman
QCFI Nagpur Chapter
Director QCFI Board

Manohar Hedao

Vice Chairman, QCFI NC
Ex. Chief General Manager
(Mahagenco) MSEB

Ajai Nigam

Vice Chairman, QCFI NC
Ex. CCE (PESO)

Dushyant Pathak

Vice Chairman, QCFI NC
Plant Head, Elkem South Asia Ltd,
Nagpur

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Treasurer QCFI NC
Sr. Doctor, Woodhatch Hospital,
Nagpur

Vivek Shrouty

Secretary, QCFI NC
General Manager-CS
Evonith Value Steel Limited,
Wardha

Vivek Joshi

Jt. Secretary, QCFI NC
HR Consultant & Trainer
Ex. MR. JSW Steel Coated
Products Ltd., Kalmeshwar

Deo Sharma

Ex. CGM Western Coalfield Ltd, Nagpur
Presently Working as Principal Tech
Advisor, Maha Mineral Mining & Beneficiation Pvt.Ltd

Rakesh Khatoor

Managing Director - Light House Info
System Pvt., Ltd, Nagpur

Rajesh Jain

Plant Head - JSW Steel Coated Products
Limited, Nagpur

Devendra Patodi

Vice President - Operations (Plant Head)
CEAT Nagpur

Surendra Nishanrao

Ex. Executive Engr. MSPGCL
CSTPS, Chandrapur

Dr. Anil Kathoye

Deputy Chief Engineer MSPGCL
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Dr. Vijay Gandhewar

GM - Technical Training
Adani Power Ltd, Tiroda

Adit Chaturvedi

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Ashok Leyland Ltd, Bhandara

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KTPS, Nagpur

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Head-Business Excellence
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Abhay Sabnis

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Gopal Vyas

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Bharat Kalambe

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37TH NATIONAL CONVENTION ON QUALITY CONCEPTS

04th – 07th January – 2024

Souvenir

Theme : Nurture Quality Concepts for a Better Future

VENUE :

Shri Ramdeobaba College of Engineering and Management, Nagpur

Editorial Board

Shri. D. K. Srivastava

Shri. R. Srinivasan

Shri. Vivek A Shrouty

Shri. Y. Manoj Reddy

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Editorial Board



Acknowledgement

Dear Participants / Readers,

Greetings !

At the outset, the Editorial board thanks the QC Fraternity and all those associated with NCQC-2023 for their excellent cooperation and involvement to make this grand event happen.

Thanks to Goodwill messages from the dignitaries which encourage the organisers and participants in their endeavor.

The souvenir lists out the events of NCQC - 2023 besides the various committees associated for the conduct of the convention. It also contains down the memory lane of the past Conventions held and the Best Chapter Awards.

We express our sincere thanks and gratitude to the college authorities for the total support for making this convention happen in their premises.

The editorial board appreciates and acknowledges the contribution made by the authors for their articles which add value and learning to the readers.

Readers will find colorful Ads from the chapters who responded to our request, highlighting their achievements and extending their best wishes for the success of NCQC-2023.

Last but not the least the editorial board is grateful to the sponsors, advertisers and associates for their munificence and support enabling us to bring out this colorful 37th edition of NCQC - 2023. The organisers express their gratitude to them. Our special thanks to the JURY members and student volunteers.

Grateful thanks to Sri Sara Srinivas of M/s Dhanalakshmi Graphics who has put his best efforts for bringing out this pleasant Souvenir edition on time.

04-01-2024

Congratulations!

Institutional Awards - 2023

- 1. QCFI - Best SSI Organization Award**
S G Snacks, Dindigul , Madurai
- 2. QCFI - Quality Leadership Award (Public Sector)**
Anil Kumar Srivastava, ED RCF, Trombay.
- 3. QCFI - Quality Leadership Award (Private Sector)**
Mr Shyam Singh, TATA Motors, Pune.
- 4. QCFI - Best Supporting Organization Award Public Sector**
SAIL - Bhilai Steel Plant
- 5. QCFI - Best Supporting Organization Award Private Sector**
JSW Steel Coated Products Ltd., Kalmeshwar, Nagpur
- 6. Best Service Sector Organisation Award**
Ni-msme, Hyderabad
- 7. Best Service Sector Award Education**
Thiagarajar College of Engineering, Madurai.

BEST CO ORDINATOR AWARDS

QCFI - Best Performing Coordinator - 2023	Mr Ganesan C , Senior Manager. Business Excellence, Titan Company Limited, Lens lab factory
QCFI - Best Performing Coordinator - 2023	Mr Umesh Pareek , AGM-BE, NTPC Ltd, CC-EOC, Noida
QCFI - Best Performing Coordinator - 2023	Mr Sunil Deshmukh , Sr. Analystt., Business Excellence Department, SAIL-Bhilai Steel Plant
QCFI - Best Performing Coordinator - 2023	Ms Sasirekha J , Manager - TQM, SRF Ltd.
QCFI - Best Performing Coordinator - 2023	Mr Bimalesh Kumar Das , GM & Head (Quality Assurance) Adani Power Ltd, Raipur
QCFI - Best Performing Coordinator - 2023	Mr Nishant Singh , TQM Implementation, JSW Steel Limited, Vijayanagar Works
QCFI - Best Performing Coordinator - 2023	Mr Surendra Singh , DGM, Bharat Electronics Limited, Bengaluru
QCFI - Best Performing Coordinator - 2023	Mr Dhritindra Chandra Dasgupta , DGM HR, Mother Dairy, Delhi

RCOEM

Shri Ramdeobaba College of Engineering and Management, Nagpur

ABOUT VENUE

Shri Ramdeobaba College of Engineering and Management (RCOEM), Nagpur was established in 1984 by Shri Ramdeobaba Sarvajanic Samiti (SRSS) a charitable trust which has been involved in community service for over four decades. RCOEM is an ISO 9001:2015 certified Autonomous Institute that is Affiliated to R T M Nagpur University & has been awarded "A+" Grade by NAAC. RCOEM is considered as one of the premiere institutes of central India which is in Engineering Category-Rank Band 151-200 & Innovation Category-Rank Band 51-100 as per NIRF 2023. The Institute is recognized as the Center of Higher Learning that offers Ph.D. by RTMNU, Nagpur.

ABOUT NAGPUR

Nagpur has a number of tourist attractions of which top attractions would be Deeksha Bhumi, Ramtek Fort Temple, Ambazari Lake Futala Lake, Swami Narayan Mandir.

Good transport facilities are available in and around the city.



Bharatiya Vidya Bhavan Sanskrit Kendra



TENTATIVE PROGRAMME SCHEDULE

REGISTRATION

3rd Jan'24		16:00 Hrs to 18:00 Hrs
4th Jan'24	08:30 Hrs to 11:00 Hrs	14:00 Hrs to 15:00 Hrs 17:30 Hrs to 18:00 Hrs
5th Jan'24	08:30 Hrs to 11:00 Hrs	17:00 Hrs to 18:00 Hrs
6th Jan'24	08:30 Hrs to 10:00Hrs	

Inaugural Session with Cultural Prog.

4th Jan'24	15:00 Hrs to 17:00 Hrs
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Model/Kaizen/5S Home Presentation

5th Jan'24	Slot 1 :	09:30 Hrs to 12:30 Hrs
	Slot 2 :	14:30 Hrs to 17:30 Hrs
6th Jan'24	Slot 3 :	09:30 Hrs to 12:30 Hrs

Case Study Presentation (75 Parallel Halls)

5th Jan'24	08:30 Hrs to 17:40 Hrs
6th Jan'24	08:30 Hrs to 13:30 Hrs

Skit Competition followed by Awards for Poster, Poem, Slogan, Cartoon & Skit

5th Jan'24	15:30 Hrs to 18:00 Hrs
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Award Distribution

	5th Jan'24
Presented on 5th for slot on 1-9	14:30 - 14:40
Presented on 5th for slot on 10-13	16:00 - 16:10
Presented on 5th for slot on 14-22	18:30 - 18:40
	6th Jan'24
Presented on 6th for slot on 23-31	13:22 - 13:30
Presented on 6th for slot on 32-35	14:30 - 18:00

Knowledge Test (Online)

18th-23rd December 2023

LIVE QUIZ

6th Jan'24	14:30 Hrs to 15:30 Hrs
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VALEDICTORY

6th Jan'24	15:30 Hrs to 18:30 Hrs
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Industrial Visit : From 5th - 7th January 2024 in various industries in and around Nagpur. Team members can select any half a day as per their convenience.

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Shri K.L. Chugh

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Shri S.A. Chandran

Dr. R.C. Agarwal

नितीन गडकरी
NITIN GADKARI



सत्यमेव जयते



मंत्री
सड़क परिवहन एवं राजमार्ग
भारत सरकार
Minister
Road Transport and Highway
Government of India



2091
Do No. /VIP/RTM/2023
Date :- 24 NOV 2023

Message

Quality Circle Forum of India has organized National Convention on Quality Concepts – 2023 at Shri Ramdeobaba College of Engineering and Management. A Souvenir is going to be released to mark the event. I extend my best wishes to the programme and the souvenir to be released.

QCFI was established more than 4 decades as Non Profit Organization to impart training, knowledge and practice of quality concepts and philosophy with special attention to develop task performers and healthier workplace. This helps to face challenges in life and achieve success.

It is incident of pride for Nagpurians that Nagpur is selected for the national event. I welcome the delegates arriving Nagpur, popularly known as Orange City. It is going to be feast for the thousands of participants who are going to be enlightened experts from field.

I wish grand success to the National Convention on Quality Concepts – 2023 and wish success for future efforts of office bearers and members of QCFI.

Yours

(Nitin Gadkari)

Banwarilal Purohit

*Governor of Punjab
and
Administrator
Union Territory, Chandigarh*



सत्यमेव जयते

*Raj Bhavan
Chandigarh.*

Dated: 29th Nov., 2023

MESSAGE

It brings me great pleasure to know that the 37th National Convention on Quality Concepts (NCQC 2023) is being organised by the Quality Circle Forum of India (QCFI) in association with Shri Ramdeobaba College of Engineering and Management, Nagpur scheduled from 4th to 7th January, 2024.

Continuous quality improvement is a critical and perpetual process essential for organizational and individual success. In our pursuit of elevating India to a developed nation by 2047, organizations like QCFI play a commendable role in contributing to this transformation. QCFI's initiatives align seamlessly with the Digital India program, presenting substantial potential for growth across diverse industries, including manufacturing and services.

With a projected attendance of 15,000 delegates and guests from all corners of India, a dynamic showcase awaits, featuring over 2,000 teams meticulously chosen from diverse chapter conventions, each geared to reveal their innovative projects at NCQC 2023. This vibrant participation promises to foster a community of skilled and knowledgeable professionals who can significantly contribute to the overarching vision of 'Nation Building.'

In my perspective, conventions of this nature play a pivotal role as platforms for the exchange of ideas, exploration of contemporary trends, and adoption of globally recognized best practices in enhancing processes, products, and organizational culture. I offer my sincere commendations to QCFI for its unwavering efforts in knowledge dissemination.

I extend my best wishes for the 37th National Convention on Quality Concepts, anticipating its remarkable success and the positive transformation it is set to bring to our joint pursuit of excellence.

(Banwarilal Purohit)



Message from **Mr. Satyanarayan Nuwal**
Chairman, Solar Industries India Limited
Chairman, RCOEM



Embracing Quality: A Cornerstone for Sustainable Growth

The esteemed colleagues and fellow Quality Enthusiasts,

I extend my heartiest congratulations to each of you, celebrating the 37th National Convention on Quality Concepts (NCQC), for your unwavering commitment to excellence and dedication to fostering a culture of quality.

India's rich heritage is deeply intertwined with a profound appreciation for quality craftsmanship and meticulous attention to detail. This enduring legacy of excellence is deeply embedded in the nation's cultural ethos, shaping its approach to various aspects of life, from art and design to business and manufacturing.

Quality is a mantra and not merely a compliance requirement; it is the driving force behind sustainable growth. It is about consistently exceeding customer expectations, creating products and services that not only meet needs but also elevate lives. As industry leaders and flag bearers of the nation, we have a responsibility to set the standard for quality, inspiring others to embrace excellence in all their endeavors.

To achieve sustainable growth, we must make quality a core value, empowering our employees with the tools, knowledge, and authority to consistently deliver exceptional products and services. This requires a relentless pursuit of improvement, fuelled by data-driven benchmarking and a spirit of innovation.

India's cultural emphasis on quality remains an enduring strength as the nation navigates the opportunities of the 21st century. By harnessing this legacy of excellence, we can continue to produce world-class products, attract global investments, and establish India as a global leader in various industries.

Together, let us pledge to uphold India's culture of quality, as we forge a path towards sustainable growth and prosperity.

With gratitude and admiration,


Message from Dr. S. Glory Swarupa

Director General
National Institute for MSME (ni-msme)
Hyderabad.



It gives me immense pleasure to note that QCFI is organizing the 37th National Convention on Quality Concepts at Shri Ramdeobaba College of Engineering & Management, Nagpur, Maharashtra from 4 to 7 January 2024. The theme of the convention is Nurture Quality Concepts for a Better Future. I am happy to note that Quality Circle Forum of India (QCFI) is promoting and implementing various Japanese Quality Concepts for Manufacturing and Service sector. QCFI has taken a Nobel task for promoting Mission 1 Lakh MSME through training and hand holding of MSME units. This will help them to apply in the shop floor activities for improvement. I am glad to share that MSME Competitive (Lean) Scheme is a program launched by the Ministry of MSME with an objective to enhance their productivity, efficiency, and competitiveness by reduction of wastages in processes, inventory management, space management, energy consumption, etc. to enhance the performance of Indian MSMEs. The scheme aims to improve quality, productivity and capability of MSMEs by adopting lean manufacturing tools and techniques.

I have to mention the special efforts put by QCFI in association with ni-msme for organizing Advance Management Development Program (AMDP) at Coimbatore recently. The program was well appreciated as it covered simplified TPM for MSMEs. QCFI has been empanelled with ni-msme as one of the trainers for Quality Concepts. I understand 2200 Quality controlled teams from various industries are presenting their improvement projects which will be adjudged by a panel of jury for award of mementos.

I extend my warm greetings for the grand success of the Convention and record my appreciation to Shri D.K. Srivastava, Executive Director and his team for their sincere efforts.

With Best Regards





Message from **Mr. Masato Onodera**
Managing Director - JUSE



Dear Esteemed Guests, and Respected Organizers,

I extend my warm congratulations to all participants of the 37th National Convention on Quality Concepts (NCQC 2023), scheduled from January 4th to 7th, 2024, under the auspices of the Quality Circle Forum of India (QCFI).

This year's theme, "NURTURE QUALITY CONCEPTS FOR A BETTER FUTURE," beautifully reflects our shared mission. I'm inspired that such an impactful theme has been chosen for this historic NCQC.

The event serves as a hub for knowledge, innovation, and collaboration, bringing together bright minds from various fields. NCQC has consistently been a platform for exchanging ideas, sharing experiences, and building connections.

I'm inspired by the dedication each of you brings to the pursuit of excellence. Your participation not only shows a commitment to improvement but also a collective desire to shape a better future. I hope this convention inspires you to enhance your skills, discover hidden potentials, and become catalysts for positive change.

I commend the organizers, the Quality Circle Forum of India, for their dedication to promoting quality and fostering excellence. The event's success is a testament to their tireless efforts and commitment to quality management principles.

May the upcoming days be filled with enriching presentations, fruitful collaborations, and valuable insights, propelling us towards a future of increased quality and innovation. I'm confident that the 37th National Convention on Quality Concepts will exceed our expectations, leaving a lasting impact on our journey towards excellence.

Wishing you all a successful and inspiring convention.

Best regards,

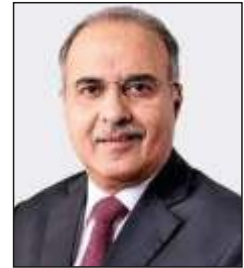
Masato ONODERA
Managing Director
Union of Japanese scientists & Engineers





Message from **Mr. Anil Sardana**

MD - Adani Energy Solutions & Adani Power
 CBO-Intl RE+Green H2, Hydros - Adani Green
 CEO-Dharavi Redevelopment - Mumbai
 Director -Data Center JVC



Dear esteemed participants at QCFI 2023 event,

It's a great pleasure to note that QCFI is organizing '37th National Convention on Quality Concepts (NCQC) 2023' at Nagpur, the winter capital of the state of Maharashtra, with the theme of 'Nurture Quality Concepts for a Better Future'.

In today's ever-evolving business landscape, the pursuit of excellence and the relentless commitment to quality have become paramount. Quality is not just a buzzword; it is the cornerstone of our success. It defines our reputation, builds trust with our stakeholders, and ultimately determines our sustainability. The essence of Total Quality Management (TQM) has never been more relevant than it is today, where organizations must constantly strive for breakthrough solutions to unlock the true potential of their operations.

At Adani, we have always embraced a culture of continuous improvement, innovation, and excellence. We firmly believe that achieving innovative quality solutions is not merely a goal but a journey we embark upon every day. It's about going beyond the ordinary, pushing boundaries, and harnessing our collective ingenuity to create value that truly makes a difference. I want to share with you some of the key principles and strategies that have guided us on nurturing quality movement for a better future.

Continuous Learning Environment: Our people are our most valuable asset. We invest in their learning, growth and development, fostering a culture of learning, and encouraging them to push the boundaries of their knowledge and expertise.

Innovation & Technology: Embracing cutting-edge technologies and building an ecosystem of innovation that enables us to create breakthrough solutions that addresses complex challenges in every sector.

Sustainability: Committed to sustainable practices that not only reduce our adverse environmental footprint but also enhances the overall quality of our products and services.

Collaboration: Recognize that breakthroughs rarely happen in isolation. Collaboration with industry partners, experts, and academia is key to finding new solutions and driving continuous improvement.

The theme of this conclave aptly reflects the journey we have embarked upon, and I look forward to the experiences and insights being shared by our distinguished speakers and delegates. By fostering an environment where best practices are shared and learned from is the best way to collectively drive the quality movement forward.

I wish you all a productive and enlightening conclave. May the collaborative and sharing approach be the guidance framework for shaping the future of quality movement & its inclusion in all management practices in India and beyond.

With warm regards,

Sincerely

14.12.23
 Anil Sardana



Group Services Head – Business Excellence



Message from **Mr. Avinash Mishra**
National President - QCFI



The 37th National Convention on Quality Concepts in Nagpur, being organized by the Nagpur Chapter in collaboration with Shri Ramdeobaba College of Engineering & Management, Katol, from January 4th to 7th, 2024, is a promising event.

With the theme “Nurture Quality Concepts for a better future,” the convention emphasizes continuous value enrichment for all stakeholders.

In the current business landscape, achieving success requires organizations to excel in areas like cost, quality, delivery, and innovation. Given the challenges many organizations face for business growth and profitability on sustainable basis.

NCQC 23 aims to address strategies and best practices to reduce the Cost of Goods Sold (COGS).

Anticipating a wealth of innovative case studies from various participants, the convention is poised to facilitate knowledge sharing and the exchange of best practices.

Wishing NCQC 23 great success!

Avinash Mishra
National President
Quality Circle Forum of India





Message from **Mr. Satish Kalokhe**
President Emeritus - QCFI



I am happy to welcome all of you for this 37th National Convention on Quality Concepts at Nagpur. It is an honour to you to get selected for National Convention from your organization and from your local chapter. I congratulate you and wish you all the best for your performance in this convention. 15000 delegates and guests are expected to participate in this convention. 2000 teams are selected from Chapter Conventions for NCQC 2023.

We always use National Convention as a platform to felicitate organizations, teams and individuals who are doing outstanding work in the area of "Improvements". We issue WCM certificates to the organizations who have successfully completed the Level 4 of our WCM model. We issue QCFI-JUSE 5 S certificates to the organizations who have successfully completed its evaluation criteria. We felicitate individuals who add good value in his/her organization to make the organization a learning organization. There is nothing more satisfying than getting felicitated in a National event like NCQC which is attended by a large crowd gathered from all the corners of India. We also give "Best Chapter of the Year award" to a chapter. This motivates others to do better performance.

We propagate change management and we ourselves also implement it. We have initiated number of activities for the benefits of our members and member organizations. Mission 1 Lakh MSME, 1 Lakh 5 S Homes, Kaizen Karakuri, TQM division, WCM, Jury Development program and number of Video Module Based Self Learning programs are examples of these initiatives.

Nagpur has number of Tourists Attractions. Visit them.

I thank all the governing council members of Nagpur Chapter who have worked very hard under the leadership of Mr. A.K. Jain and Mr. Vivek Shroutry to make this convention a grand success. I thank the management of Shri Ramdeobaba College of Engineering and Management for providing an excellent venue for this convention and for a support of their staff members. I also thank Mr.D.K. Srivastava and his entire team from H.Q. who worked round the clock for the success of this convention.

Enjoy this convention. Make new friends. Learn new things.

I wish you all the best for your presentation and comfortable stay at Nagpur.

Satish Kalokhe

President (Emeritus)

Quality Circle Forum of India



Message from **Dr. Ashok Mittal**
Advisor - QCFI



Dear Delegates

Human mind and Hand again demonstrated its superiority to machines in Uttarakhand rescue operations. In the end most difficult operations require intelligence and dexterity of human mind and hand . A quality person is endowed with these capabilities and QCFI plays an important role in facilitating these competencies.

More and more routine and procedural tasks are going to be completed by tools like Robotics, Automation and Artificial Intelligence. However machines can not solve problems which have not happened before or find a way , which can not be constructed using previous known data . It is the human mind that can innovate ie do things which have not been done before or find ways to move forward in complex situations. Role will change in time to come but a Quality person will always be needed. Have confidence in yourself, learn continuously, adapt to change and think beyond what you see. Future will continue to belong to Quality persons.

My very best wishes to all the delegates and organisers , for a Quality new year .

The Convention Theme

The Convention Theme is “Nurture Quality Concepts for a better future”

This is indeed an appropriate theme, which QCFI is pursuing since its inception.

QCFI plays an important role for Human Resource Development in Manufacturing Industries, Service Organisations and, MSME's Public Utility Services including Govt, thus augmenting the Human potential for achieving Leadership in Quality, Higher Productivity and Capacity Utilisation by the respective organisations. As the forum basic objective is “People Building Philosophy”, QCFI is engaged in imparting education & training in Quality Concepts for the First Line & Middle Management employees who acquire the skills of Self Development & Mutual Development contributing to organizational goals and competitiveness. Through the basic concepts of 5S, Kaizen, Quality Circles & TPM, practitioners imbibe a positive attitude, creativity, intelligence, Problem Solving Skills and ability to innovate solutions and motivate others. The most important of all is willingness to pass knowledge across colleagues and down the line and make themselves as knowledge person.



Message from **Mr. A. K. Jain**
Director, QCFI Board
Chairman, QCFI Nagpur Chapter



Dear Dignitaries and Participants,

It gives me immense pleasure to welcome all of you for this 37th National Convention on Quality Concepts (NCQC-2023) at Nagpur from 4th to 7th January, 2024 hosted by QCFI Nagpur chapter in association with Ramdeobaba College of Engineering and Management. I am deeply impressed by the dedication and commitment of the QCFI to promoting quality excellence across India.

The pursuit of quality is not merely a technical endeavour; it is a philosophy that permeates every aspect of our lives. It is the driving force behind innovation.

India is a land of rich cultural heritage and a strong sense of community. The concept of "Vasudhaiva Kutumbakam," which means "the world is one family," is deeply embedded in Indian philosophy. This philosophy extends to the realm of industry, where quality is paramount. India believes that by producing high-quality products and services, it can contribute to the betterment of the world.

The Rig Vedas, one of the oldest scriptures of Hinduism, emphasize the importance of precision and craftsmanship, stating that "the craftsman should make the object as perfect as possible."

The QCFI, through its network of 35 chapters across India, has played a pivotal role in fostering a culture of quality consciousness. Your efforts have not gone unnoticed. You have inspired countless organizations to embrace quality as a way of life, leading to tangible improvements in productivity, efficiency, and customer satisfaction.

The theme of this year is "Nurture Quality concepts for better future" The Catalyst for Sustainable Growth, aptly captures the essence of quality's role in shaping a prosperous future. Sustainable growth is not just about economic gains; it is about creating a society that is equitable, inclusive, and environmentally responsible. Quality, with its emphasis on continuous improvement and resource optimization, is a key enabler of sustainable growth.

I am confident that the 37th NCQC will provide a valuable platform for sharing knowledge, forging collaborations, and inspiring new ideas. I urge each one of you to actively participate in the discussions, learn from each other's experiences, and contribute your unique perspectives.

Together, let us make India a hub of quality excellence, a global leader that is admired for its commitment to innovation, sustainability, and customer satisfaction.

I extend my best wishes to all the participants and great success for NCQC-2023.

Thank you,

A K Jain



Message from **Mr. ViVEK A. SHROUTY**
Convener NCQC-2023
Secretary- QCFI Nagpur Chapter



Dear Quality Aspirants,

It is with great enthusiasm and anticipation that I extend my warmest greetings to all in the 37th National Convention on Quality Concepts, NCQC-2023. This is being organized by Quality Circle Forum of India in association with Shri Ramdeobaba College of Engineering and Management, Nagpur and hosted by QCFI Nagpur Chapter.

First and foremost, I would like to express my gratitude to the management of Shri Ramdeobaba College of Engineering and Management (RCOEM), Nagpur, for their unwavering support for NCQC-2023.

This gathering is a testament to our collective commitment to excellence, innovation, and the pursuit of the highest standards in all aspects of our endeavours.

Quality concepts form the backbone of progress and success in any field. As we convene to explore, share, and discuss the latest ideas and advancements in quality, I am confident that this convention will be a beacon of inspiration for everyone involved. The dedication to fostering a culture of continuous improvement is not only commendable but also vital for the growth and sustainability of our industries and society as a whole.

May this convention serve as a platform for meaningful discussions, insightful exchanges, and the forging of new connections. I am certain that the ideas generated and lessons learned during these days will ripple through our organizations and communities, leading to positive change and advancements in quality management.

I extend my best wishes to all the team members of NCQC-2023 for their hard work and dedication in putting together this significant event. To the participants and attendees, may you find inspiration, knowledge, and networking opportunities that propel you towards new heights of success.

I would like to thank to organizing committee, Staff and students of RCOEM and representatives from various organization for their wholehearted support and zeal to make this NCQC-23 a successful event.

May the 37th National Convention on Quality Concepts, NCQC-2023 be a resounding success, contributing to the continued evolution of quality practices and setting new benchmarks for excellence.

Warm regards,



Message from **Mr. Iyer Srinivasan**
 Managing Director,
 Elkem South Asia Pvt Ltd



It is an honor to welcome you all to the 37th National Convention of Quality Circle Forum of India at Nagpur with the Theme "Nurture Quality Concept for Better Future."

India's ambition to become 5 trillion US\$ Economy by 2030 cannot be realized without the essence of Quality Management. Quality Focus requires that we strengthen and make the foundation of the pillars of the House of Quality i.e., continuous improvement, customer focus, employee engagement, and process optimization robust and extraordinary. This is the only way India can achieve global competitiveness and be recognized for quality of our products and services. The pursuit of quality is not merely an investment but a strategic imperative. The cost incurred in ensuring quality resonates beyond financial implications; it encompasses the totality of customer satisfaction, brand reputation, and organizational resilience. Understanding and optimizing is not just an exercise in financial prudence but a strategic requirement that empowers us to deliver excellence without compromise.

Many of you are leading quality improvement work in your respective areas and I encourage you to not only learn and support each other but to be the champion of cause of quality in your own organizations and also to support all other stake holders (our partners, vendors, customers and the general stakeholders including the MSME sector) so India can create a complete Quality Culture.

While in our pursuit of quality, we must also consider the broader implications—the environmental impact and the imperative of waste reduction. Quality is not merely about meeting standards; it is about embracing sustainability. The ways in which we produce, consume, and discard impact our world profoundly. Reducing waste, embracing eco-friendly practices, and minimizing our carbon footprint are integral to our commitment to quality—a commitment that extends beyond our companies and firms but is the very essence of our existence and what we will leave for our future generations.

I am personally happy and excited to meet and greet the team of analytical problem-solving people who lead from front and take responsibility to improve on the organizational challenges, and NCQC brings this opportunity to welcome you all together to celebrate your success. This is commendable. I wish quality circle forum of India for remarkable success of this event and my compliments to all participating team members. My gratitude to all the participants, speakers and organizers for their dedication and hard work and to make this event a success. Wishing you all a happy and prosperous new year.

With Warm Regards



Message from **Mr. Narendra Kulkarni**

Managing Director | G - General Management
Endress+Hauser Temperature+System Product
Aurangabad



Dear Participants and Delegates,

Let me extend a warm and heartfelt welcome to each one of you. It is with great pleasure that we gather every year to share, celebrate and explore newer ways of collaborating across industries. This initiative will help us to the next leap of made in India products.

Since the turn of this century and even a decade before, India has witnessed a profound change in quality expectations across all businesses. Quality was often associated just with durability and adherence to specifications. Absence of credible choices forced consumers to accept whatever was available. However, with the globalization of markets and availability of international products, Indian consumers started realizing 'Value for Money'. Today's customer considers durability and specification fulfilment as basic and just an 'hygiene' factor. Expectations are far beyond product durability encompassing factors such as aesthetics, packaging, environmental sustainability, and ethical sourcing. Consumers have an easy access to product reviews and comparisons, leading to higher expectations for transparency and accountability from manufacturers. market.

This 37 th National Convention on Quality Concepts serves as a unique platform, bringing together diverse minds from various industries and backgrounds, all united by a common pursuit of excellence. Our collective commitment to quality underscores our shared vision for a future where standards are not just met but exceeded, where precision and excellence become second nature in everything we do.

During this conference, I am sure that we will have an opportunity to engage in insightful discussions, gain new perspectives, and make new networks. The exchange of ideas, Kaizen competition is going to be enriching and enlightening.

Today we don't speak of just Quality but of 'Quality Excellence'. Quality Excellence is not a destination but an exciting journey. Let us share, network, and collaborate on the path of Quality Excellence.

Wishing you an exciting time and a very rewarding 37 th National Convention on Quality Concepts!

Narendra Kulkarni



Message from **Er. Ajai Nigam**
Vice Chairman,
Nagpur Chapter



My heartiest greetings and best wishes to QCFI, for organizing the 37th National Convention on Quality Concepts, 2023 from 4th to 7th January, 2024 hosted by Nagpur chapter in association with Shri Ramdeobaba College of Engineering and Management at Nagpur.

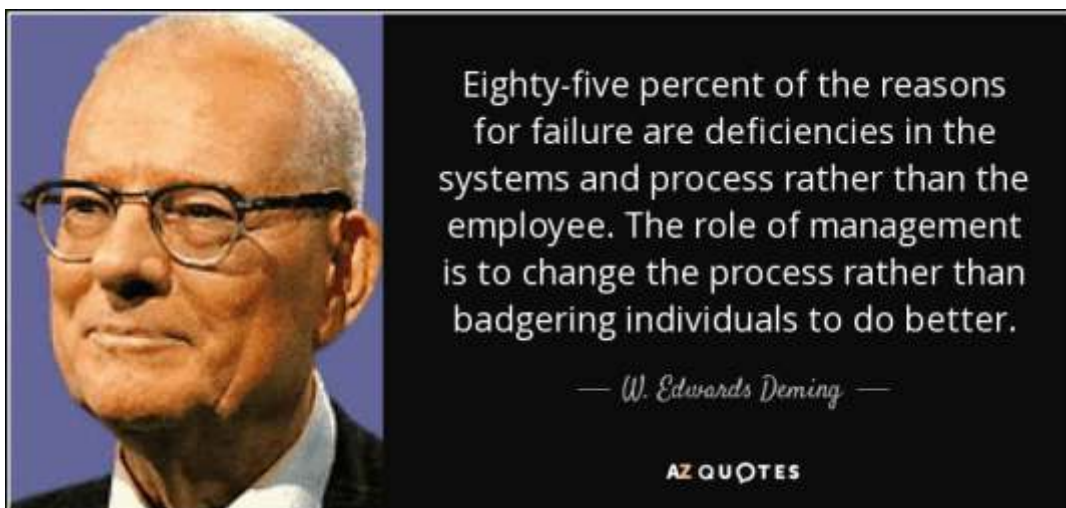
The Convention theme "Nurture quality concepts for a better future" is most relevant in guiding & creating quality culture in any organisation and its workforce. Zero tolerance to accidents ensures no loss of human life and damage to property and that should be the target.

Such conventions on quality concepts do provide an opportunity to quality aspirants and leaders to initiate new ideas and explore possibilities in overall development even without involvement of top management in every stage.

I appreciate and congratulate all members of Nagpur chapter to bag this opportunity for organising NCQC, 2023 at Nagpur chosen out of 35 chapters in India. This is a great achievement of the Chapter.

Surely, this 37th NCQC would be a grand success. I also extend my best wishes to all for participating in this event and subjecting themselves to learning and enriching their experience for better tomorrow.

With best compliments.





Message from **Mr. Devendra Patodi**
 VP - Operations & Plant Head
 Nagpur Plant, CEAT Limited



Dear Readers,

I am thrilled to share with you the latest achievements of CEAT Limited, and it is an honour to communicate with you on the 37th National Convention on Quality Concepts (NCQC) 2023, hosted right here in Nagpur.

CEAT has reached new heights in quality and excellence, proudly winning the prestigious Deming Grand Prize making it the first tyre brand in the world to receive the rare distinction in 2023. This accolade is a testament to our relentless commitment to superior quality standards and continuous improvement through QBM way of working. Our gratitude goes to our valuable partners and vendors for their support, because this is an organisational-level achievement, which is where our partners, vendors, raw material suppliers, etc, come along. It reflects our robust business processes and systems, which eventually lead us to create reliable and dependable products. In addition to the Deming Grand Prize, CEAT Halol factory has been recognized on a global scale with the Lighthouse Certification from the World Economic Forum (1st Tyre brand to achieve this accolade). This prestigious certification acknowledges our organization's transformative journey and leadership in Industry 4.0 practices. Furthermore, CEAT Plants has been honoured with the British Sword of Honour, a recognition bestowed upon organizations demonstrating exceptional health and safety standards. This achievement reinforces our dedication to creating a safe and secure work environment for our valued team members.

Quality Based Management (QBM) is our way of Business Excellence. The QBM approach enables us to work systematically by involving everyone, to achieve business objectives effectively and efficiently, and to provide products and services that satisfy customers. In Nagpur plant, QBM is working from a bottom-up approach to sustain a culture of continual improvement.

CEAT Nagpur Plant with a vision of "Globally Benchmarked, Smart & Green Two Wheeler Tyre Plant" started its Production in Jan'2016 having manufacturing facility of 2 & 3-Wheeler Tyres. Plant operates on a Self-Managed Team model with an average employee age of 24 years, out of which 24% are female associates (1st in Maharashtra to start Night Shift for Female Employees). The Plant has strengthened its safety system & won the British Safety Council's BSC-5 Star Rating & SWORD OF HONOUR. The plant has built Manufacturing Execution System (MES) & in-house digital solutions to make the manufacturing processes more efficient & effective to emerge as one of the lowest Manufacturing Lead Time in the Indian Tyre Industry, supplying tyres to all major 2/ 3 Wheeler vehicle OEMs. The plant is also supplying tyres to

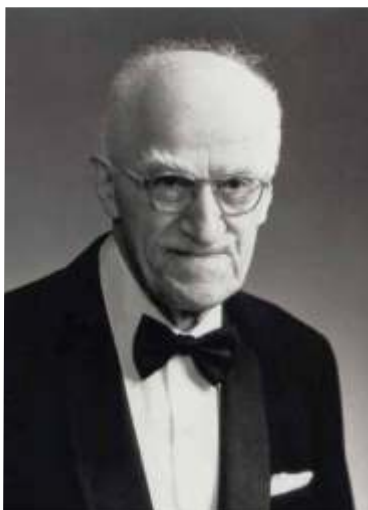
major Electric Vehicle OEMs like E-Rickshaw, E-bikes, etc.

Problem Solving through Kaizen, SPARSH Circle (QC) & Quality Improvement Projects (QIPs) has always been an integral part of Plant improvement & involvement culture. SPARSH Circle (QC) & Quality Improvement Projects (QIPs) are helping Plant in resolving numerous chronic issues in systematic problem-solving manner. Teams are participating in problem solving with full zeal & enthusiasm. Purpose of SPARSH Circle is to create conducive environment for improvement by involving and empowering our employees those are directly working on machines and manufacturing processes. Employees participate and win awards in internal as well as external competitions like Quality circle forum of India (QCFI) at State, National & International level. Employee involvement in SPARSH circle achieved 100% in FY23 with 181 circle formations. QIPs are identified by Management teams for achieving Plant KPIs like Safety, Defects, Scrap, Energy Efficiency, OEE, etc. QIP maturity Score improved from 8% in FY17 to 84% in FY22 through involvement of 100% managers. They also participates in external forums like CII, etc and won awards.

As we gather at the 37th NCQC event in Nagpur, let us celebrate these milestones together. These accomplishments wouldn't have been possible without the collective efforts of our dedicated team members, partners, and stakeholders.

Thank you for your continuous support, and we look forward to sharing more success stories in our journey toward excellence.

Best regards,



**IT IS MOST IMPORTANT THAT TOP
MANAGEMENT BE QUALITY-MINDED. IN THE
ABSENCE OF SINCERE MANIFESTATION OF
INTEREST AT THE TOP, LITTLE WILL
HAPPEN BELOW.**

- JOSEPH M. JURAN -



Message from **Mr. Rajesh Jain**

(Plant Head)

JSW Steel Coated Products Ltd,
Kalmeshwar Nagpur



In close to 3 decades of my professional journey, I came across many management theories, but one simple word that is called the "Uni-focused Quality Concept" remained with me forever.

Many good organizations try to implement multiple initiatives in order to become a 'Great Organization' to achieve desired goals. However, once these initiatives are put in place, organizations expect them to be a sustainable and permanent part of their day-to-day activities. In simple terms this means changing the way the company does its business by adopting to newer, more efficient methods. But as seen in many examples of corporate history, it has seldom succeeded. Most organizations fail as they work on too many initiatives that may shift one's focus from the core areas to sundry areas.



Remember Arjuna's Bird's Eye in Mahabharata. Uni-focused Quality Concept works on this simple theory of putting an organization's focus on to core objectives and enabling their stakeholders to adopt to this new culture. Stakeholders in this context are employees, vendors, customers, opinion makers etc.

This concept enables an organization to concentrate all its energies to those breakthrough cultural changes that will lead to achieve its core objectives. Breakthrough Culture is the most important enable to implement Uni-focused Quality Concept in any organization.

Just go back and review how Toyota shifted its objective from a normal car maker to World's most reputed organization. A domestic example can be of Tata Motors, who went on a paradigm shift from a truck maker to a world-class passenger car maker. JSW Group started as a modest family run business and turned itself as one of the largest conglomerate in India.

All these organized worked on a unified focus to achieve Quality by adapting to breakthrough cultural changes.

What is Breakthrough? Breakthrough means major change/shift in something. Therefore, the 'Breakthrough Culture' is referred as major change in the culture of the company. This can be achieved by practicing 'Quality Concepts'.

What is Culture? Culture can be identified as the way that a company, as an entity operates its

business. A culture defines the value system of a company. For example, when one person thinks in a certain way, this is referred to as a mindset and when a group of people think in the same way, it becomes a paradigm and the culture of any organization is made up of the paradigms of its people.

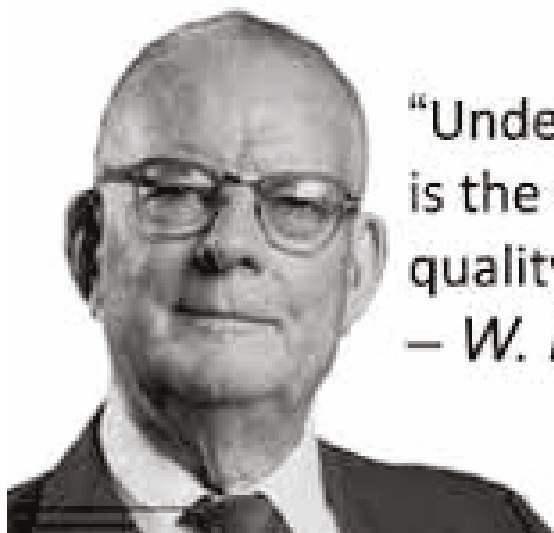
Tips for developing Breakthrough Culture

- 1: Creating Awareness on Quality Concepts
- 2: Use Problem solving tools
- 3: Check and Prove It
- 4: Reapply it with Sustainable Solutions.

The main Pointers of Quality Circles emphasized on small group activities which come together to identify, Analyze and Solve work related Problems.

It is a great platform to showcase our Continuous improvements in Process, Products and Services to enhance overall organization Performance.

I am glad to say that QCFI actually enhances the knowledge by implementing Quality management tools and techniques and Lean principle to drive improvements. We here learned Benchmarking from Outside the Organization thereby improving our performances. I wish that all the Participating teams should effectively communicate their Quality goals, progress and Success stories throughout the Organization to develop the culture of Quality Consciousness and Sense of Ownership in each and every employee.



**“Understanding variation
is the key to success in
quality and business.”
– *W. Edwards Deming***



Message from **Mr. Ramakant Sharma**
Plant Head
Ashok Leyland Limited, Bhandara



Dear participants and delegates,

Greetings!

We are thrilled to welcome you all in Nagpur city (Orange City - the geographical Centre of India and also coined as Tiger capital) for 37th National Convention on Quality Concepts (NCQC-2023) from 4th to 7th January 2023.

Hearty Congratulations to the QCFI Nagpur Chapter Governing body for having NCQC event for 2nd time in Nagpur after 1994. It is a bigger challenge this year as NCQC event has now become giant and expecting 12,000+ footfalls. It is also a proud moment for Maharashtra state to host convention for 2nd year in a row after last year event in Sambhaji Nagar.

QCFI Nagpur Chapter having 100+ team's participation consistently in Chapter convention with active participation of its governing body members. Our wishes to all the participants, the delegates, the Company Executives, the Volunteers, the Organisers and all those behind this mega event, all the very Best in every endeavour to make this gathering and the Convention a Grand Success.

Ashok Leyland always has a close association with QCFI. Our relationship started since inception and nurtured to maturity with consistent participation in Chapter, National and International conventions. We welcome participants / delegates to visit our state-of-art Transmission Plant at Bhandara around 80 kilometres from Nagpur.

Summit theme of 'NURTURING QUALITY CONCEPTS FOR A BETTER FUTURE' is perfect for a vibrant self-reliant Bharat, driving with full potential in its journey to be a global leader. Quality is the most essential ingredient of our dream for a bright future. Workforce participation is mandatory to ensure use of their enriched shop floor knowledge for resolving recurring problems by eliminating root causes.

Quality Circle movement motivates workmen to have sense of pride by showcasing their improvements to world and winning recognition. QCFI has provided a platform for involving one and all for resolving toughest of concerns also with great team work and survival in competition. Cross learning for horizontal deployment of improvements and a motivated workforce ensure 10x transformation.

My best wishes for a brighter tomorrow to all for utilizing this robust platform in self-development to learn new improvements, understand new standards, enjoy your stay at Nagpur, implement new learnings in your organization and focus on continual improvement in journey towards zero waste – zero effect.



Message from **Mr. Hemant Bal**

Site Head

Indo Rama Synthetics India Limited,
Butibori, Nagpur



Excellent quality products are synonymous with satisfied customers and higher revenue. At Indorama Synthetics Ltd, we believe in "The Customer is why we exist." We must have consistency in quality. Further, customer expectations are increasing day by day, and we must acknowledge them well in time and act to meet those requirements. To maintain a good quality management system, we always strive to improve product quality through innovation, cutting-edge technology, and sustainable processes. Our teams utilize lean and Six Sigma tools to effectively involve all employees to achieve these objectives. This is what gives us the competitive edge.

I wish grand success to the great event.

It is most important that top management be quality-minded. In the absence of sincere manifestation of interest at the top, little will happen below.



Joseph Juran



QualityGurus.com



Message from

Mr. Deo Sharma

Principal Technical Advisor,
Maha Mineral Mining and
Beneficiation Pvt. Ltd. Nagpur

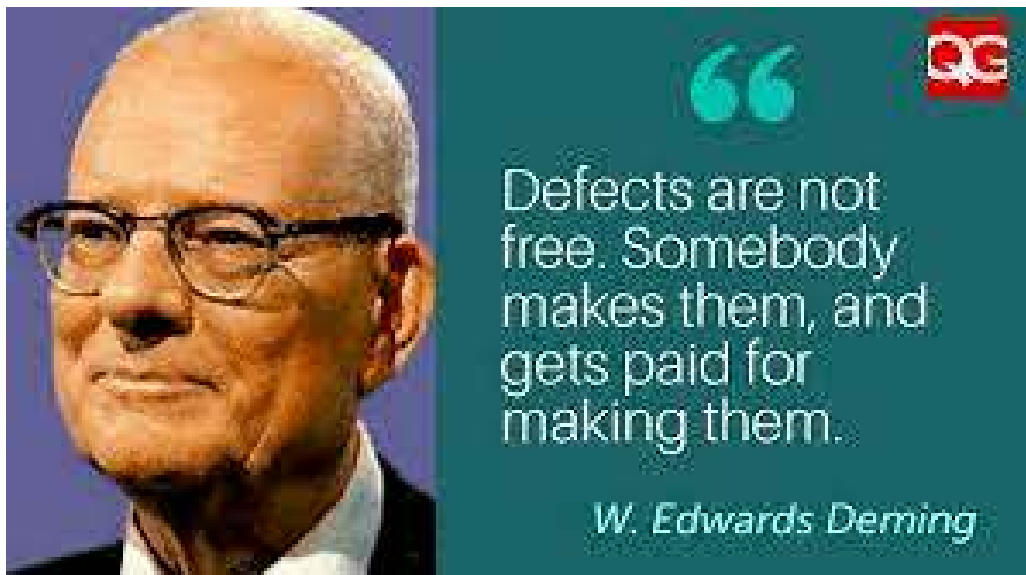


It is a matter of pride and honour that Quality Circle Forum of India, Nagpur in association with Sri Ramdeobaba College of Engineering and Management will host NCQC 2023 from 4TH to 7th January 2024. I am sure that determination and perseverance of enthusiastic and dedicated QCFI Nagpur Chapter team will make the event a grand success and their untiring efforts will set the bar high enough both in quality and quantity that will be emulated by the organizers of such events in future.

When you throw yourself and do your absolute best, you receive guidance from your intuition to steer you towards your purpose.

This event which aims at development of human resource in multifarious industries and organizations will leave positive impact on the concerned sectors due to high quality deliberations and presentations in top class ambience.

I wish grand success to the great event.



From Editor's Desk

Dear Participants,

Hearty Greetings to you all on the occasion of NCQC -23.

QC Fraternity awaits for the Mega event. The convention this year is being organized by QCFI host Nagpur Chapter in association with Shri Ramdeobaba College of Engineering and Management from 4th Jan'24 – 7th Jan'24. 70 Parallel halls are being arranged for Case Study presentation for the benefit of the participants. QCFI and Host chapter are always taking good efforts for making the convention a bon-homie and afford opportunities for learning through various activities.

Our President Shri Avinash Mishra and I attended ICQCC at Beijing with the big contingent of QC.

President once again established and renewed the contacts with coordination members for good networking during the co-ordination meeting. Congratulations to all the QC teams who have bagged gold.

I must congratulate Nagpur Chapter lead by its Chairman Shri A.K. Jain for his dedication and whole hearted support for planning all the events and Mr. Vivek Shrouthy for his dedicated efforts and team work with their dedicated council members. Our Thanks are due to President Avinash Mishra for his regular follow-up on the status of NCQC – 23. I take this opportunity to thank our Advisor Prof. A.K Mittal, S.J Khalokhe President emeritus and Shri Avinash Mishra President for their advice and guidance which I seek from time to time. Mr. G.P Singh and his Bhilai team deserve our congratulations for organizing catering facilities. My thanks are due to chapter Chairpersons, secretaries and G C members for having persuaded member institutions and deputation of circles for participation in NCQC – 23. I also record great appreciation to all our associates for their timely supply for their various materials/mementos and also for their assistance in NCQC activities. I consider them as extended members of QCFI family

My gratitude to authors for contributing articles in this souvenir. Special thanks to all Jury for assessment of Case studies for both pre-evaluation, oral and virtual presentation. And My grateful thanks are due to the sponsors and advertisers for their munificence and cannot be managed without their support. Our thanks are due to young dynamic student volunteers who helped in various events.

I take this opportunity to thank and express my gratitude to Dr.Rajiv B.Khaire Dean-III Cell, RCOEM and his staff for extending whole hearted support to all our needs without saying a word No.

G P Singh deserves a word of praise for his committed efforts in association with Nagpur Chapter for regular meetings and follow up with Mr A K Jain for this convention.

My thanks are also due to Aurangabad Chapter for their association with Nagpur Chapter for this convention.



I was really impressed with the enthusiasm of our HQ team who are working with extended hours from the past 3 months to make the event a Grand Success. My Special appreciation to HQ Staff, Sunder, Satya, Sailaja, Madhulatha, Hanumanth Rao, Roopesh Kumar, Kishan and Anasuya. Mr. Sunil Srivastava, Mr. VKB Das, Mr. Manoj Reddy and Mr. P.S Ravi Kumar and Ranjini and the host of consultants R. Srinivasan, K S V S Madhava Rao and C V Ramana deserve my gratitude for coordinated efforts.

Vinod Kumar deserves our appreciation for his soft ware development and computer services My thanks are due to my young friend trainee for his great efforts in video editing and computer services.

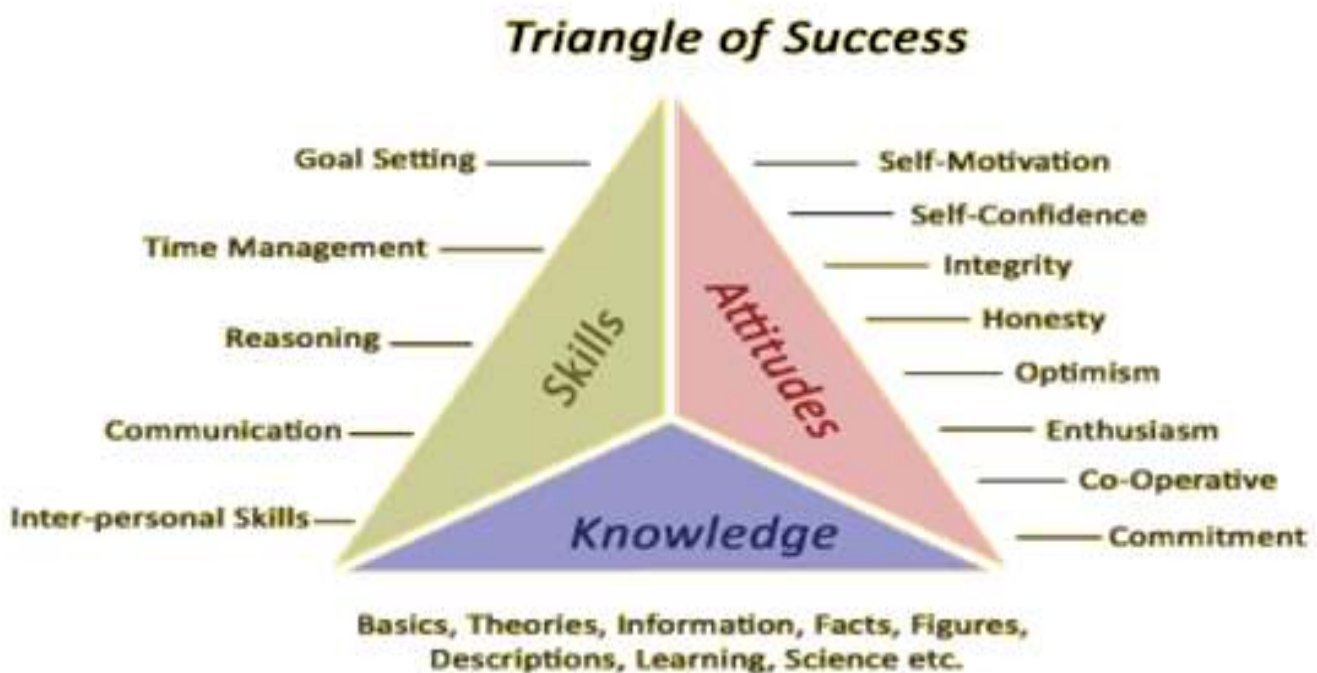
Indeed I am blessed with a good team and I am proud of their achievement in making NCQC a grand success.

Last and but not the least Hats off to the organisations who have deputed their delegates and Teams for participating in the convention. We commend the captains of the industries and heads of organisations for their commitment in pursuing the Quality concepts as a way of work life. To all the heroes of the project presenters, our grateful thanks and we express our gratitude.

Once again wishing you all A HAPPY NEWYEAR 2024.

DKS.

D.K. SRIVASTAVA



Core Group of NCQC Organising Committee



Shri A K Jain
Chairman
QCFI-Nagpur Chapter



Dr. Rajiv B. Khaire
Dean-III Cell, RCOEM



Shri. Avinash Mishra
Organizing Chairman
President QCFI



Shri. D.K. Srivastava
Organizing Secretary
Executive Director QCFI



Shri Vivek A. Shroutry
Convener NCQC-2023
Secretary, QCFI Nagpur Chapter



Shri V K B Das
Addl. Director (Trg.&Dev.)
QCFI

Members - Organizing Committee

S N.	S N.	Member Name	Designation	CHP/ORG
1	Mr	Avinash Mishra	President	Gwalior
2	Mr	S J Kalokhe	President Emeritus	Pune
3	Dr	A.K. Mittal	Chief Advisor	Delhi
4	Mr	K.B. Bharati	Vice President	Mumbai
5	Dr.	Pradeep Srivastava	Vice President	Varanasi
6	Mr	DK Srivastava	Executive Director	QCFI.HQ
7	Mr	B. Srinivas	Director Hon. Treasurer	Hyderabad
8	Mr	G.P. Singh	Director	Bhilai
9	Mr	A K Jain	Chairperson	Nagpur
10	Mr	Avinash Chandra Upadhyay	Director	Gwalior
11	Mr	Vijay Krishna	Director	Varanasi
12	Mr	Nitin S Kingaonkar	Director	Aurangabad
13	Mr	Rituraj Mehta	Director	Ahemadabad
14	Mr	P K Swain	Director	
15	Mr	Ajay Pasrija	Director	Baddi
16	Mr	A L Kishen	Director	Bengaluru
17	Mr	Manohar Hegde	Director	Hyderabad
18	Mr	Joydev Sengupta	Director	Kolkata
19	Mr	T R Narasimhan	Director	Chennai
20	Mr	P V Chandrasekhar	Director	Hyderabad
21	Mr	G Jagan Mohan	Director	Tirupati
22	Mr	P Vellingiri	Director	Hosur
23	Dr(Mrs)	Vineeta Kamran	Director	Lucknow
24	Dr(Mrs)	Rajani Indulkar	Director	Pune
25	Mrs	Vinaya Leena Pai	Director	Thane
26	Mr	V K B Das	Addl. Director (Trg.&Dev.)	QCFI.HQ
27	Mr	Y Manoj Kumar Reddy	Manager (Digital Wing)	QCFI.HQ
28	Mr	P S Ravikumar	GM-Finance & Admin	QCFI.HQ
29	Mr	R Srinivasan	Sr. Faculty	QCFI.HQ
30	Mr	N K Sharma	Secretary	Rajsamand
31	Mr	Sunil Shrivastava	COO	QCFI
32	Mrs	Ranjini C	Asst. Director (Trg.&Dev.)	QCFI.HQ
33	Mr	B Thej Kumar	Chairperson	Bengaluru Chapter
34	Mr	Raju Modi		Ankeshwar
35	Mr	Mrs Prabha Vyas	Chairperson	Vadodara

S N.	S N.	Member Name	Designation	CHP/ORG
36	Mr	P Baskar	Chairperson	Coimbatore
37	Mrs	Chhaya Mishra		HQ
38	Mrs	Subha Kalokhe		HQ
39	Mrs	Prabha Srivastava		HQ
40	Mrs	Babitha Singh		HQ

Members - Executive Committee

S N.	S N.	Member Name	Designation	CHP/ORG
1	Mr	K Sunder	Sr.Executive (Accounts & Admin)	QCFI.HQ
2	Mr	A Satyanarayana	Sr.Executive (Finance & Admin)	QCFI.HQ
3	Mrs	S Sailaja	Sr.Executive EDP	QCFI.HQ
4	Mrs	N Madhulatha	Executive Accounts & Admin	QCFI.HQ
5	Mr	Ravi Srivastava	HQ	QCFI.HQ
6	Mr	B Kishen Naik	HQ	QCFI,HQ
7	Mr	Roopesh Kumar	HQ	QCFI,HQ
8	Mr.	G Hanumanth Rao	Incharge (Stores & Despatch)	QCFI.HQ
9	Mr	K S V S Madhav Rao	Sr. Faculty	QCFI,HQ
10	Mr	S L Prasad	Sr. Faculty	QCFI,HQ
11	Mr	Shailendra Kumar	LKO	Kanpur/Lucknow
12	Mr	Sunil Trivedi	GC Member	Bhilai
13	Mr	V K Chaudhary	GC Member	Bhilai
14	Mr	Satyavan Naik		Bhilai
15	Mr	V Janardhan	Hyd Chapter	Hyderabad
16	Mr	Narender	Hyd Chapter	Hyderabad
17	Mr	Nageshwar Rao	Vizag Chapter	Vishakapatnam
18	Mr	Satyanarayana	Vizag Chapter	Vishakapatnam
19	Ms	Asmita Joshi	AWB - Hall Management	Aurangabad
20	Mr	Amol Girme	AWB - Registration / Kit Bag	Aurangabad
21	Mr	Mahendra Wankhede	AWB - Registration / Kit Bag	Aurangabad
22	Mr	Sanjay Vaidya	AWB - Catering	Aurangabad
23	Mr	Sudir Patil	AWB - Hospitality	Aurangabad
24	Mrs	Shailendra Kumar		Lucknow
25	Mrs	Sunil Shrivastava		Hyderabad
26	Mrs	Arif Khan		Varanasi

Associates

1	Mr	Prithviraj	HQ	Associate
2	Mr	Sara Srinivas	HQ	Associate
3	Mr	Sudhir Mehta	HQ	Associate
4	Mr	Vijender	HQ	Associate
5	Mr	Vinod Kumar	HQ	Associate
6	Mr	Mahavir Prasad Jangid	HQ	Associate
7	Mrs	Shanti Mannari	HQ	Associate
8	Mr	Mohan Mannari	HQ	Associate

For the smooth conduct of NCQC-2023 following Committees have been formed

Event Management

- VKB Das
- Vivek Shrouy
- Dr Rajiv Khaire

Certificates preparation

- V K B Das
- Y Manoj Reddy
- S Sailaja

Finance Committee

- B Srinivas
- Ravi Kumar
- A Satyanarayana

Board Room/Secretariat/Control

- Vivek Shrouy

Statutory Requirements & Legal Matter

- Ajai Nigam
- Deo Sharma
- Manohar Hedao

Registration

- P Ravi Kumar
- Manoj Reddy
- A Satyanarayana
- Madhulatha
- L V Udan
- Gopal Vyas
- Adit Chaturvedi

Safety

- Rituraz Mehata
- G.P. Singh

Kit/ Gift Distribution

- Prabha Srivastava
- Adit Chaturvedi
- L V Udan
- Mrs Sunil Shrivastava
- Mrs Sailender Kumar
- Mrs Arif Khan

Venue

- Praveen Singh
- Abhay Girhare

Security / IT / Workplace / Visual Management

- Devendra Patodi
- Praveen Singh
- Saylee Prakashe

Help Desk

- Gopal Vyas

Transport, Material Handling

- Mr N K Sinha

Industrial Visit

- Mr Abhay Sabnis

Guest Hospitality

- Mr Abhay Sabnis
- Sumit (Vertex)

Press Meet

- a. N K Sharma
- Surendra Mishan Rao
- Bharat Kalambe

Judges Meet

- B Srinivas
- R Srinivasan
- Mrs C. Ranjini

Hall Management

- R Srinivasan
- K S V S Madhava Rao
- V K Choudhary
- Vivek Joshi
- Bharat Kalambe
- Roopesh Kumar
- V Janardhan
- Saylee Prakashe

Food Court / Dining Hall

- G P Singh
- Surendramishan Rao
- Vijay Adlak

Award Distribution

- K B Bharati
- Akashchandramahakulkar
- Sudhir Patil
- Dr. Narendra Joshi

Main Pandal

- Praveen Singh
- Abhay Girhare
- Dushyant Pathak

Stage Management

- Ranjini C
- B Kishan

Cultural Programme

- Dr Rajiv Khaire

First aid / Medical Facility

- Dr Pankaj Choudary Jain

MSME

- Sunil Mahabal

Model Exhibition

- Vinaya Pai
- Sudha Arun
- Rajesh Jain
- Sunil Mahabal

Award Evaluation

- S J Kalokhe
- Manoj Reddy
- R Srinivasan

Crisis Management

- S J Kalokhe
- Avinash Mishra
- A K Jain
- A K Mittal

List of QCFI Annual Best Chapter Award Winners Since 2010

Year	Category 'A' Chapter	Category 'B' Chapter
NCQC 2010 Visakhapatnam	Best Chapter QCFI – Mumbai	Best Chapter QCFI – Visakhapatnam
	2nd Best Chapter QCFI – Vadodara	2nd Best Chapter QCFI – Durgapur
NCQC 2011 Hyderabad	Best Chapter QCFI – Delhi	Best Chapter QCFI – Madurai
	2nd Best Chapter QCFI – Mumbai	2nd Best Chapter QCFI – Visakhapatnam
NCQC 2012 Kanpur	Best Chapter QCFI – Mumbai	Best Chapter QCFI – Madurai
	2nd Best Chapter QCFI – Bengaluru	2nd Best Chapter QCFI – Durgapur
NCQC 2013 Durgapur	Best Chapter QCFI – Bengaluru	Best Chapter QCFI – Haridwar
	2nd Best Chapter QCFI – Delhi	2nd Best Chapter QCFI – Madurai
NCQC 2014 Pune	Best Chapter QCFI – Bengaluru	Best Chapter QCFI – Madurai
	2nd Best Chapter QCFI – Mumbai	2nd Best Chapter QCFI – Visakhapatnam
NCQC 2015 Chennai	Best Chapter QCFI – Pune	Best Chapter QCFI – Madurai
	2nd Best Chapter QCFI – Mumbai	2nd Best Chapter QCFI – Bhilai
NCQC 2016 Raipur	Best Chapter QCFI – Delhi	Best Chapter QCFI – Bhilai
	2nd Best Chapter QCFI – Chennai & Mumbai	2nd Best Chapter QCFI – Madurai
NCQC 2017 Mysuru	Best Chapter QCFI – Mumbai	Best Chapter QCFI – Coimbatore
	2nd Best Chapter QCFI – Pune	2nd Best Chapter QCFI – Bhilai
NCQC 2018 Gwalior	Best Chapter QCFI - Delhi	Best Chapter QCFI - Bhilai
	2nd Best Chapter QCFI - Pune	2nd Best Chapter QCFI - Coimbatore
NCQC 2019 Varanasi	Best Chapter QCFI – Pune	Best Chapter QCFI - Bhilai
	2nd Best Chapter QCFI - Mumbai	2nd Best Chapter QCFI - Coimbatore
NCQC 2020 Virtual	Best Chapter QCFI – Mumbai	Best Chapter QCFI - Coimbatore
	2nd Best Chapter QCFI - Vadodara	2nd Best Chapter QCFI - Ankleshwar
NCQC 2021 Coimbatore	Best Chapter QCFI – Mumbai	Best Chapter QCFI - Coimbatore
	2nd Best Chapter QCFI - Pune	2nd Best Chapter QCFI - Rourkela
NCQC 2022 Aurangabad	Best Chapter QCFI – Mumbai	Best Chapter QCFI - Gwalior
	2nd Best Chapter QCFI - Bengaluru	2nd Best Chapter QCFI - Ankleshwar

Breakthrough Quality Learning & Development Solutions: Empowering Individuals, Organizations, and Societies

Shri.Ranjan Kumar Mohapatra

Executive Director & Head, IndianOil Institute of Petroleum Management
Former Director (HR) Indian Oil



Ranjan Kumar Mohapatra, an accomplished leader currently serves as the Executive Director & Head of the Indian Oil Institute of Petroleum. With extensive experience in the energy sector, specifically as Director (HR) in Indian Oil for more than five years, he has played a pivotal role in driving the growth and success of Indian Oil, the largest oil refining and marketing company in India. A firm believer in power of possibilities, Mohapatra has demonstrated exceptional leadership skills, guiding teams to achieve remarkable results & driving organizational excellence.

Abstract: This article explores the pivotal role of Breakthrough Quality Learning & Development Solutions in fostering personal and organizational growth, economic prosperity, and societal progress. Through an analysis of Singapore's SkillsFuture initiative and an exemplary intervention within Indian Oil, namely "Swadhyay", the article highlights the transformative impact of these solutions. It emphasizes the principles of Total Quality Management (TQM) and underscores the importance of continuous learning in today's dynamic and competitive world.

For Total Quality Management (TQM) to thrive within an organization, a robust learning and development framework is not just important; it is essential.

TQM hinges on the principles of continuous improvement, process optimization, and a relentless pursuit of quality. To achieve and sustain these ideals, an organization must invest in the development of its workforce. Learning and development initiatives empower employees with the knowledge, skills, and tools required to identify inefficiencies, implement improvements, and drive quality standards higher.

Moreover, a culture of learning fosters adaptability and encourages employees to embrace change, a fundamental aspect of TQM. In essence, learning and development form the

bedrock upon which the success of TQM is built, enabling organizations to excel in delivering quality products and services while nurturing a culture of excellence and innovation.

In a world driven by innovation and change, the quest for knowledge and personal & organization growth is more critical than ever before. Our ability to adapt and thrive in this dynamic environment hinges upon our commitment to continuous learning and development.

Before delving into the concept of breakthrough quality learning and development solutions, let's acknowledge the fundamental importance of lifelong learning. In today's knowledge-based economy, the skills and knowledge we acquire are often the most valuable assets we possess. However, the half-life of knowledge is decreasing, meaning that what we know today may become obsolete in a short period. To remain relevant and competitive, we must embrace the idea of lifelong learning.

Lifelong learning is not confined to formal education but encompasses a holistic approach to acquiring new skills, gaining knowledge, and nurturing personal growth throughout our lives. It empowers us to adapt to changing circumstances, seize opportunities, and contribute meaningfully to our society. Breakthrough quality learning and development solutions are the means by which we can achieve this.

What are Breakthrough Quality Learning & Development Solutions?

Breakthrough quality learning and development solutions represent a quantum leap forward in the way we approach education and personal growth. These solutions are characterized by 5 key elements including:

1. Customization: By recognizing that every individual is unique, with distinct learning styles, strengths, and areas for improvement, Breakthrough solutions tailor learning experiences to individual needs, allowing learners to progress at their own pace.

2. Accessibility: Breakthrough solutions are designed to be accessible to all, regardless of socio-economic background or physical limitations. Whether through technology or community-based programs, they break down barriers to education.

3. Interactivity: These solutions engage learners actively, fostering critical thinking, problem-solving, and collaboration. Interactive elements make learning enjoyable and effective.

4. Real-world Application: Emphasizing on the practical application of knowledge and skills, these solutions are not confined to the classroom but extends to the workplace and community, where learners can immediately apply what they've learned.

5. Continuous Improvement: They are dynamic and constantly evolving, staying current with industry trends and emerging technologies. Continuous improvement ensures that learners stay relevant in their fields.

How these breakthrough solutions unlock value in our lives and communities:

1. Personal Growth and Fulfilment: Breakthrough quality learning and development solutions empower individuals to discover their passions, hone their talents, and pursue their dreams. When individuals are fulfilled and

continuously growing, they contribute positively to their communities and society at large.

2. Employability and Career Advancement: The job market is fiercely competitive, and skills become outdated quickly. Breakthrough learning solutions keep individuals up-to-date and equip them with in-demand skills. This not only enhances employability but also opens doors for career advancement.

3. Innovation and Problem-Solving: Quality learning solutions foster creativity, critical thinking, and innovation. They encourage individuals to approach challenges with fresh perspectives and develop innovative solutions. This not only benefits individuals but also drives progress in various industries.

4. Economic Growth: An educated and skilled workforce is a catalyst for economic growth. Breakthrough learning solutions contribute to the development of a highly skilled workforce, attracting investment and driving economic prosperity.

5. Social Cohesion: Learning is a unifying force that brings people from diverse backgrounds together. It promotes understanding, empathy, and tolerance. Communities with access to quality learning solutions tend to be more harmonious and resilient.

Global Competitiveness: In a globalized world, nations that invest in education and development have a competitive edge. Breakthrough learning solutions enable countries to compete effectively on the international stage, driving progress and innovation.

Understanding the impact of breakthrough quality learning and development solutions by examining a few real-world examples:

Singapore's Skills Future: Singapore's Skills Future initiative is a comprehensive approach to lifelong learning. It provides a wide range of courses and resources for individuals to acquire new skills throughout their lives. This initiative has

not only increased employability but also made Singapore's workforce more adaptable and competitive in the global market.

Indian Oil's Swadhyay: Another example is from Indian Oil, that exemplifies the principles of breakthrough quality learning and development solutions: "Swadhyay ". It is a testament to Indian Oil's commitment to excellence in the Oil & Gas sector. It is an innovative online portal that hosts a vast array of courses developed in house by Subject Matter Experts tailored to equip our employees with job-specific skills required in this complex and ever-evolving industry. The name "Swadhyay " itself, derived from the Sanskrit word for "self-study," reflects the essence of continuous learning.

This web-based portal offers more than 1500 modules, encompassing various aspects of the Oil & Gas sector, from technical know-how to leadership development. Employees have the flexibility to choose courses that align with their career goals and job responsibilities. Swadhyay's key features include:

- **Customization:** Swadhyay recognizes the diverse roles within Indian Oil and tailors courses to meet the specific needs of employees across various departments, whether they are in refining, marketing, exploration, or corporate functions.
- **Accessibility :** The platform is designed as an anytime anywhere accessible application, ensuring that all employees, regardless of their location, can access the resources they need to excel in their roles through their mobile/ desktops or laptops.
- **Real-world Application:** Swadhyay places a strong emphasis on the practical application of knowledge. Employees can immediately apply what they learn to address challenges and seize

opportunities in their day-to-day work.

Continuous Improvement: Just like the ever-evolving Oil & Gas sector, Swadhyay is continuously updated with the latest industry insights and technological advancements. This ensures that the workforce remains at the forefront of industry trends.

Swadhyay has not only contributed to the professional growth of Indian Oil's employees but has also enhanced the overall operational excellence. It has played a pivotal role in helping Indian Oil maintain its leadership position in the Oil & Gas industry.

Swadhyay is an exemplary L&D intervention within Indian Oil that showcases the transformative power of quality learning and development solutions. It embodies the principles of TQM thereby unlocking value for employees, organization, and the communities. As we continue our journey of lifelong learning and personal growth, programs such as this serve as beacons of inspiration, demonstrating the profound impact that learning and development can have on individuals and society as a whole.

Conclusion: In conclusion, Breakthrough Quality Learning & Development Solutions serve as catalysts for personal and societal growth, fostering resilience, adaptability, and innovation. By embracing these solutions and investing in education, individuals and organizations can unlock their full potential, contributing to a more prosperous and harmonious world for all. As we navigate the complexities of the modern age, these solutions stand as light-houses of hope, showing the path towards a future where lifelong learning is not just a necessity but a transformative force shaping our shared destiny.

About Quality Circle Forum of India (QCFI)

QCFI was formed in March 1982 by like-minded people from Industry, Indian Statistical Institute & Local State Government and Registered as a Non-profit body Under Societies Act 1350F of A.P. in December 1982 at Hyderabad.

QCFI's Headquarters is in Hyderabad.

In India, the Quality Circle movement was pioneered by the prestigious Public Sector Industry, Bharat Heavy Electricals Limited in January 1981 at its Ramachandrapuram Plant, Hyderabad, and JK Jute Mills, Kanpur in the private sector.

QCFI has 30 Chapters, 4 Sub-Chapters & 1 Center spread all over the country.

An Executive Board with elected Directors from the members manages the affairs of QCFI. President elected by the Executive Board is the Head and Board also elects two Vice-Presidents and one Honorary Treasurer. Regular administration is with the Executive Director and he carries out the activities as per the Forum's policy and decisions taken by the Board from time to time.

President	- Sri. Avinash Mishra
President Emeritus	- Sri. S J Kalokhe
Advisor	- Prof. A K Mittal
Executive Director	- Sri D K Srivastava
Treasurer	- Sri B Srinivas

Each Chapter has a governing council that functions in line with QCFI policies and procedures. A Chairman, Vice-Chairman, Secretary and Treasurer are elected among its GC members.

QCFI is engaged not only in spearheading Quality Circles in the Member Organisations but also in Quality Team Concepts like 5-S, Kaizen, Simplified TPM, SMED, Lean Manufacturing, Six Sigma, Lean QC and Lean Safety Circle etc., all under the umbrella of Total Quality Management (TQM). QCFI extends service to education, health, the rural sector, etc., for propagating Quality Concepts. QCFI conducts certification audits for 5S and WCM.

QCFI brings out various publications on Quality Concepts from time to time for dissemination of knowledge to its practitioners. Also bi-monthly Journal 'Quality Circle India' is published and circulated to member institutions. This is also sent as E-Magazine. Similarly, chapters also send their Newsletter and E-Magazine to the members.

QCFI Membership Status

1.	Institutional Members	2006
2.	Life individual Members	8927

QCFI has a dedicated group of senior experts to advise, and a younger group of people to execute the plans.

QCFI is spreading its wings to Non-Member Organisations by giving free awareness program so that they can appreciate the usefulness of the concepts in their units. Thrust is now given for propagation, training & skill development thru' Quality Concepts with MSME Industries in India. WCM program is initiated in Parle Group of Industries and Karakuri Kaizen with the

association of Coimbatore Chapter and PSG College of Technology. Faculty and JURY development program are conducted online through video recorded modules on various Quality Concepts.

The Chapters are governed by the elected chairman, Vice chairman, secretary and elected members of the governing council members.

Chapter Conventions on Quality Concepts are conducted annually by the Chapters.

National Conventions by HQs - Annual Feature - 36 National Conventions were organised so far.

QCFI represents India in 14 Nation International Committee organizing International conventions annually by rotation.

4 ICQCCs were also hosted by QCFI India. The last one was conducted at HICC- Hitech City, Hyderabad in Nov. 2021.

QCFI also conducts annual National Conclaves on various topics.

QCFI has recently embarked upon the following thrust areas for TQM promotion across the country

- Developed a central pool of subject matters, imparts to cater to pan India, TQM solutions for WCM, TPM, HR, SAFETY, and EHS for all sectors.
- Launched a few fast-track holistic business solutions to reduce project cycle time by 1-3 months
 - i) Agile Business Performance improvement designs of
 - a. Agile Yellow Belt
 - b. Agile Green Belt
 - c. Agile Black Belt
 - ii) Agile RCM (Reliability Centred Maintenance) Solutions
 - iii) Agile Behavior Safety, Stress Management Interventions
 - iv) Cross-functional, Cross-level Dynamic small group (DSG) for faster better cheaper solutions

Any other tailor made QC concepts for client organisation as per their requirement.

	<div style="background-color: #002060; color: white; padding: 10px; margin-bottom: 10px;"> <p>Total 5S Certified Organisations - 280</p> <p>JUSE - QCFI Certified - 160</p> </div> <p>As on 27th December 2023</p>
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5-S to GHS



Sri DK Srivastava, Executive Director, Quality Circle Forum of India

Industries are the backbone of the country. The mission of our Hon'ble Prime minister of "Make in India" will be successful through industrial growth. Since the industrial revolution, many companies have boomed and among those many companies, some still stand as strong motivating pillars to the new budding companies specially to their associated MSMEs. A corporate entity is said to have a perpetual life i.e., the employees working in the company may keep changing but the company lives on forever. Here comes a question, "how can a company go on till perpetuity?" The answer may sound simple i.e. until the company is functionally based on all the resources it has, the company can go on forever. Among all the resources that a company has i.e., finance, technology, and human resource. Human resource is a free gift to the industries. Total employee involvement gives the best result to the organization and the society. Humans are the brain of every company, once the brain is dysfunctional; there is no possibility for a company's perpetuation.

Decades before it was money, which was a sole motivator that kept employees working but today money

is one among the many motivators for an employee to work. Employee beliefs, therefore, form a basis for employee motivation. These beliefs set expectations about the organization to an employee. Therefore, as times change, so do the employees and their mindset. This gives a reason to the companies to comprehend and analyze the latent beliefs of their employees in order to develop strategies to cultivate & preserve the employee beliefs about an organization for the overall organizational sustenance and growth.



G H S IS GROWTH-HAPPINESS - SUSTENANCE. Organizational growth has the potential to provide businesses with a myriad

of benefits, including things like greater efficiencies from economies of scale, a greater ability to withstand market fluctuations, and increased survival rate, greater profits, and increased prestige for organizational. Effective growth also helps stave off the potentially negative effects of fluctuations in the

marketplace and national economy. Needless to mention a growing company's high profile often appeals to the most talented job-seekers out there.

For growth, value addition is a must. Each employee should add value and try to identify the non-value adding activities so that they can be eliminated or reduced. This calls for Lean manufacturing which is the need of the hour. Once we pitch in and concentrate on Quality through Quality assurance, identifying the variations, and taking appropriate action, the quality of the product and services will improve which in turn, reduce wastage. Any type of wastage is an indication of system failure.

As we are aware, the quality of the product depends upon the process capability of the equipment. We have to see the process capability and achieved capability for quick action. To improve productivity, we require equipment effectiveness. This can be improved if we improve the availability%, performance%, and Quality %. Improvement in mean time between failure (MTBF), reduction in the meantime to repair(MTTR), Inventory management, and assessment of the critical part's life by way of mean time to failure (MTTF) will certainly help in equipment effectiveness.

All of you will agree with me that happier employees of the unit are directly proportional to the growth of the unit. A happy workforce increases productivity because employees are more focused, creative, and entrepreneurial. The field of happiness studies was originally called well-being economics, which did not resonate with most people, hence the lay term of happiness being used. The new thinking in businesses today is making happiness part of their business model. Happiness before profit creates a strong employee culture and improved business financial performance. The personal disadvantages of unhappy employees include increased work stress, moral stress, and burnout, which lead to feelings of hopelessness, helplessness, and incompetence. From a business point of view, happy employees can make better decisions and their frame of mind can impact financial growth.

Employee morale is the attitude, emotion, and satisfaction of employees towards their work. And fulfilling these aspects will need your work culture to emphasize employee involvement.

Employees with high morale stay motivated and work towards the organization's goals. They maintain a healthy relationship with anyone they come in contact with. They complete their tasks efficiently and effectively. They contribute effectively by being smart people. Think-do-think and make the organisation as learning organisation with continuous training. Encourage learning for employees through innovations and Kaizen activities.

In my experience more and more organisations come forward for training and implementing of 5S as a foundation for Quality initiatives besides leading to cultural transformation and organisational excellence (GHS)



QUALITY CIRCLE FORUM OF INDIA



DK. Srivastava
Executive Director
Quality Circle Forum of India

Through

DK's Model for simplified TPM

(An Integrated Approach for Performance Excellence.)

MISSION ONE LAKH MSMEs

This model consists of different Quality Concepts viz 5-S, Kaizen, QC, LQC, LSC, QIT, Problem- Solving Tools and Techniques, Problem-solving steps- 12 steps method, DMAIC method, Autonomous Maintenance, Preventive Maintenance, Tag System, Manager model, one point lesson, Online, and offline Process Control, Cp/Cpk, Lean Manufacturing, Poka-Yoke, SMED, GTT study, etc. in simplified way.

We have tried to develop it suiting to our Indian culture keeping in mind the literacy level of the employees especially in MSME and labour-intensive industries like Textile, Mines, etc. This we are experimenting and developing since 1996 and implemented in many MSMEs. Based on the outcome, we are adding the input to make the model more useful to the units. In this continuously model, we have tried to put the total concepts in a very simple way and easy to implement by the unit. Our objective is to train their core group of employees who in turn can get it implemented in their respective units. In case of any help, our faculty will be available for online help and to clarify doubts. Our faculty will decide which quality concepts to be used depending on the type of the organization. This is a task-oriented program with well-defined measurable objectives.

Why MSMEs units

1. There are about 634 Lakhs MSMEs units in India. Out of them, they are in three categories. Micro, Small, and Medium which contribute 29% of GDP. Quality, Productivity will certainly affect the reduction of the cost of the product. Quality and the cost will affect the user.
2. The role of MSME units is very vital. But they are not getting help from the better well-trained faculty. The reason is obvious. One day charge for well-trained faculty including To and fro and hospitality may cost the unit about Rs 20,000+ per day and the implementation of the concepts mentioned above requires about 7 to 15 faculty days means the total cost will be about Rs. 1.5 to 3 Lakhs+. Some of the medium- level units

may go for this but after some time they found that their trained people have left them and again they have to call the faculty to train them. Employee turnover, poor literacy, unstable technical staff, fear of expensive implementation of different Quality concepts, due to which MSMEs are not able to perform as they can do.

3. Turnover of the employees are high. Training the new employees also a problem.
4. Most of them feel that all such concepts are for the large organization not for them.

We, from QCFI, have decided to go for "Mission One Lakh" MSMEs in the next 10 years.

We will be providing them the training, develop their trainers and help them to implement different Quality concepts suiting to their industry, (online), with very subsidized charges to initiators and followers. This will help them to improve their performance substantially in the area of Quality, Cost, Delivery, Safety and Productivity.

- Program is useful not only for Micro, Small and Medium units, but also for labour intensive industries for the Performance Excellence.
- For Medium and Large scale units to develop their vendors with very nominal charges.

QCFI embarks on new trainers programme on QC Concepts. Forget not to look into the details.

Registry of Trainers

QCFI has conducted number of trainers programme since last 5 years, but did not insist on qualifying test. However last year a unique trainer programme was developed on all QC Concepts as "Jury Development Programme" which had a resounding success.

Several trainers have successfully completed and qualified. QCFI also utilized some of their services as Jury in ICQCC-21 as well as in NCQC-21, which the participants have enjoyed the role.

In its quest for developing more trainers, both as Internal Resource Person for the organisations and faculty for In-house programmes on Quality Concepts, QCFI wish to go for training virtual for more faculty development. This will also help organisations to utilize their services as Faculty and Jury for Internal competitions. Their services can be extended to QCFI for CCQC & NCQC.

With this objective QCFI has ambitious planning for training faculty thru' Online.

QCFI do hope that the organisations and QC faculty would avail this opportunity and fine tune their knowledge towards greater services.

A brief is given below.

Benefits of the Program to MSME unit: -

- 1) Permanent membership of QCFI
- 2) Reading Material
- 3) Online Training through Video Modules
- 4) Clarification of doubts
- 5) Handholding for Tasks
- 6) Evaluation and Assessment of the progress
- 7) Quality, Cost, Delivery, Safety and Morale improvement
- 8) Payback of the investment within a year if concepts implemented as per QCFI guidance.
- 9) Becomes a "Learning Organization"
- 10) Embarked on a journey of "Continuous Improvement" towards World Class Performance.

For Further Details please log on to www.msme.qcfi.in

ON LINE TRAINING PROGRAMME FOR THE ORGANISATIONS/INDIVIDUALS

Course code		DURATION (Month)	NUMBER OF MODULES	Number of Sets	PACKAGE COST (Rs)	Duration of Test (Minutes)	Concession to life members
JDP	ON LINE PROGRAMME FOR THE YEAR 2022						
	1. Jury development programme	6	20	6	12,000	60	2000
	2. Trainers development programme on the following:						
TDP-WPM	A- Workplace management(5-S) including audit system	6	12	6	7,000	40	2000
TDP-PST	B-Basic Problem solving tools and techniques including new seven tools	6	20	6	12,000	60	2000
TDP-PSS	C-Problem solving steps for QC and DMAIC method and use of appropriate tools/techniques	3	6	4	5,000	30	2000
TDP-DK	D. "DK's Model of simplified TPM", an integrated approach of different Quality Concepts for performance excellence	6	15	5	7,000	60	2000
TDP-K	E. Quality Team concepts viz Kaizen, QC, QIT, LQC, LSC	3	6	4	5,000	40	2000
TDP-WCMF	WCM	9	50	15	15,000	90	2000
1	Recorded lecture of the module of each set will be send to the delegates. They can listen as many times as they want.						
2	Task will be given after each set. One set may have 1 to 5 modules. Each module may be of 30 minutes to 120 minutes depending upon topic.						
3	Once task of one set is completed and received by QCFI HQ, next set of modules will be released.						
4	At the end of the course, test will be conducted. This will be on line and answer will be in descriptive not in MCQ. Duration of test will be from 30 minutes to 90 minutes depending upon the course.						
5	Any organisation having 20 or more delegates will be allowed to have monthly separate clarification session for their unit as per the mutual agreed date and time for one hour.						
6	Unit can redeem the points earned in NCQC-2022 participation. The difference of fee (if required) to be paid separately along with GST of that amount.						
7	One set of course material will be provided.						
8	Successful candidates will be given Certificate of achievement.						
9	80% and above: Par excellence, 75% to 79.9% Excellent, 70% to 74.9% Distinguished, Below 70% Participation Certificate in case of attended all the modules.						
10	If any one want to upgrade their marks, they can re-apply for the specific sets, where they have got less marks by paying Rs 500/- per set.						
11	Points earned by the unit from NCQC-2023 can be utilise for developing in house trainers and for purchase of QCFI publications. Last date to redeem the points will be 31st October 2024						
12	Courses will start from 1st April 2024 onward till 31st October 2024 with redemption points. Registration with full fee from 1st Jan. 2024 can be done.						

**Please Contact Executive Director-QCFI,
Mobile : 9848128732, Email: dkqcfi@yahoo.com**

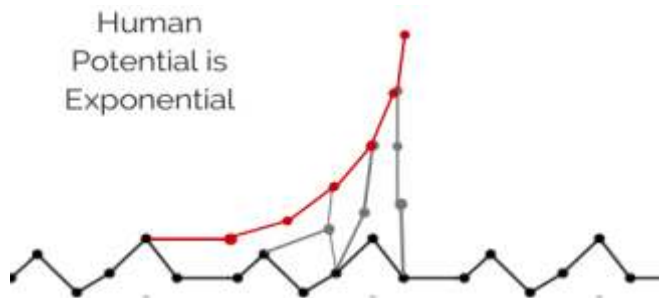
Realizing your competitive potential

You need only Two minutes to read this article to explore the path to becoming the best version of yourself, and how you can unleash your competitive potential. you can achieve amazing things, that change your life (professional) in ways you perhaps can't imagine now



Purpose of this article:

Reaching your full competitive potential isn't out of reach! You can ...



Ref-Simon Terry

Experts say:

- You're alive, that means you have infinite potential. You can do anything, make anything, dream anything. If you can change the world, the world will change. Potential.

-Neil Gaiman,

- Too often we underestimate the power of a touch, a smile, a kind word, the listening ear, an honest compliment, or the smallest act of caring, all of which have the potential to turn a life around.

-Leo F. Buscaglia



Shri. Kannan Raghavan
TQM Consultant

You learn something valuable from all of the significant events and people, but you never touch your true potential until you challenge yourself to go beyond imposed limitations."

-Roy T. Bennett



Your two minutes starts, Let's begin. ... :

We had celebrated this year Quality month during Nov 2023 reflecting our successes over the challenges of the last year through total employee's involvement programs highlighting our journey to quality excellence, ensuring total Quality in all areas of our professional and personal lives.

The theme was realizing your competitive potential. -(CCQ) raised out of the concept of competitive advantage by Professor Michael Porter, one of the world's leading experts in business strategy.

- **Let us understand the theme- Realizing your competitive potential!**

In a world where there is a race to offer products and services which meet and exceed the customers' perceived quality. In this process the organizations devise a lot of strategies in terms of product innovation, pricing, values, delivery, multi-channel Support epitomizing excellent customer service and other benefits. As We see today a lot of new players start coming to meet changing customer expectations faster, more economically, and sustainably than their present competitors.

•

● **The need of realising one's competitive potential:**

The must need today is for every individual, every manager, every organisation.... must strive to not only meet but exceed the standards and to explore their competitive potentials to be a topnotcher to surpass where they are at in life, they must stand for what they believe. to doing things unique as un common. They should have the vivid vision of future factory, plan out that vision step-by-step, and execute, keep strides in life that break through any barriers that stand in the way

● **My concerned observation**



In reality as I observed that most managers are often get so busy fulfilling the demands of their firefighting role in solving daily problems which pose them as critical, hence they fail to realise their real potentials to bring out- breakthrough improvements in their normal routine.

How should they Create an innovation development framework? Many authors suggest that strategic thinking as the first step to begin for innovation-based routine

Strategic Thinking - The thought process that can incorporate long-term trends and developments with the resources and courses of action available to create objectives and achievable plans to meet those objectives.

Innovation - The process or ability to envision new methods, techniques, or concepts to apply toward an existing goal or with available tools and resources

Together, they represent that formidable combination of organizational leadership skills that every organization is hungry for. The ability to incorporate change management approach to long-term strategic goals breaks new ground in every industry. It's the history of progress, witnessed by good to great organizations and their level Five leaders. And we see them that

approach would accelerate any organization's performance and accomplishments to the next level of growth and success

- The basic step is to develop Strategic thinking.

Strategic thinking involves:

- I Taking a long-term view into the future.
- II Looking beyond the obvious and now to prodding and shaping the uncertain future.
- III Making hard choices by determining which path to take and which to abandon.
- IV Evaluating the cost and making the trade-offs.
- V Focusing on effectiveness—doing the right thing—comes first and then comes efficiency—doing it right



They should understand that organizational excellence begins with their operational excellence

What is operational excellence?

Operational excellence (OpEx) is an approach to emphasizes continuous improvement across all areas of the organization by creating a culture and empowered to implement change. When implemented well, every member of an organization sees the flow of value to the customer and, if problems arise, finds a solution before any disruptions occur.

Operational excellence begins with a culture shift, where all leaders and employees are dedicated to creating not only a quality product but also providing great customer experiences. At all levels, employees can initiate change and drive toward efficiency, effectiveness and agility.

Shigeo Shingo, set a path for all mangers and the article by Ertuğrul Turgay inspires us- An Engineer You Should Meet on Your Journey to Operational Excellence -

To attain the goal of continuous improvement

Shingo was relentless in stimulating people to change for the better. "Can't be done "and" impossible," were not part of his vocabulary. He worked into his eighties; never retired.



They need to expand their thinking skills, contribute beyond their team and learn to connect ideas from different disciplines and domains.

Simple / core principles of operation excellence



The Shingo Prize for Operational Excellence has 10 guiding principles of operational excellence;

1. Respect Every Individual
2. Lead with Humility
3. Seek Perfection
4. Embrace Scientific Thinking
5. Focus on Process
6. Assure Quality at the Source
7. Improve Flow & Pull
8. Think Systemically
9. Create Constancy of Purpose
10. Create Value for the Customer

Challenge yourself to look at the situation as an outsider and adopt a growth mindset. Believe that you can create future with your full potentials, on

your way certainly meet failures but reframe "failure" as a learning experience and fuel your quest to realize your full potential.

You may observe the common denominator in all new path makers is they thought Big and visualised the bigger picture. So, as you too can?

To unlock your true potential, it's vital to step beyond your comfort zone. Embrace fresh challenges and seize calculated risks that align with your career aspirations. Stay receptive to opportunities that may push your skills and knowledge to new limits

- QCFI – continuously provides opportunities to all CF Teams to present the studies analysing the synergies between the technological world of Industry 4.0 and managerial domain of World Class Manufacturing, a model of Operational Excellence. QCFI is a catalyst to unleash your competitive potential.

Conclusion.



Always believe in yourself and stretch yourself beyond your limits. Your life is worth a lot more than you think because you are capable of accomplishing more than you know. You have more potential than you think, but you will never know your full potential unless you keep challenging yourself and pushing beyond your own self-imposed limits or others limits.

TWO minutes over! - Now Hear your inner voice



PAST QCFI NATIONAL CONVENTIONS (NCQC)

NCQC'87 New Delhi

Date: 23-25 July, 1987

Venue: Hotel Ashoka

Theme: Quality Circle for Participation and Progress

NCQC'88 New Delhi

Date: 25-29 October, 1988

Venue: Sirifort Auditorium & Hotel Taj Palace

Theme: Quality Circle for Human Resource Development

NCQC'89/ICQCC'89 New Delhi

Date: 6-9 December, 1989

Venue: Hotel Taj Palace

Theme: Excellence through Participation-Quality Circle the only way

NCQC'90 Hyderabad

Date: 10-13 December, 1990

Venue: Hotel Krishna Oberoi

Theme: Quality Circles- For Growth in the 90's

NCQC'91 Udaipur

Date: 12-15 December, 1991

Venue: Zonal Training School

Theme: Partners in Progress-Quality Circles

NCQC'92 Kolkata

Date: 17-19 November, 1992

Venue: Hotel Oberoi Grand

Theme: Quality Circle for Continuous Improvement

NCQC'93 Kanpur

Date: 20-23 December, 1993

Venue: IIT, Kanpur

Theme: Continuous Education for Enrichment of Quality Circles

NCQC'94 Nagpur

Date: 27-30 December, 1990

Venue: Institute of Engineers & Indian Medical Association

Theme: The Customer is the King...find his needs and satisfy

NCQC'95 Chennai

Date:13-16 December, 1994

Venue:Anna University & Gandhi Mandapam

Theme:Total Employee Involvement-The Quality Circle Way

NCQC'96 Pune

Date:27-30 November, 1996

Venue: BM College of Commerce

Theme:To sharpen the cutting edge through Participation in Quality Circles

NCQC'97 Hyderabad

Date:11-13 December, 1997

Venue:Hotel Deccan Continental

Theme:Quality Control Circle in the Information Age

NCQC'98 Hyderabad

Date:16-20 December, 1998

Venue:Hotel Deccan Continental

Theme:Quality Circle for Global Integration

NCQC'99 Durgapur

Date:27-30 January, 2000

Venue:Durgapur Women's College, Durgapur

Theme:Quality Circle for Mass Education

NCQC 2000 New Delhi

Date:6-9 December, 2000

Venue:Suraj Kund, New Delhi

Theme:Quality Circles: The Winning Edge

NCQC 2001 Hyderabad

Date:20-23 December, 2001

Venue:Hotel Deccan Continental, Hyderabad

Theme:Quality Circle for Synergistic Successful Team Work in IT Age

NCQC 2002/ICQCC 2002 LUCKNOW

Date:17-20 December, 2002

Venue:City Montessori School, Lucknow

Theme:Teaming for excellence through QC Circle in the IT Age

NCQC 2003 MADURAI

Date:4-6 December, 2003

Venue:Raja Muthiah Mandram, Madurai

Theme:Quality Circle for continuous improvement

NCQC 2004 Mumbai

Date:27-30 December 2004

Venue:Ruparel College, Matunga. Mumbai

Theme:Quality Circle for Global Competition

NCQC 2005 Ernakulam

Date:27-30 December 2005

Venue:Rajgiri school of Engineering & Rajgiri school of Management, Rajgiri Valley, Kakkanad, Ernakulam

Theme:Enduring values of Quality Circles to meet the business challenges always

NCQC 2006 Kanpur

Date:20-23 December 2006

Venue:I.I.T. Kanpur

Theme:Quality Circle for Business Excellence

NCQC 2007 Kolkata

Date:27-30 December, 2007

Venue:Jadavpur University, Kolkata

Theme:Quality Circle for enhancement of Quality of work life

NCQC 2008 VADODARA

Date:8-11 November, 2008

Venue:Reliance Industries Ltd., Sector-I, Township, PO - Petro Chemicals, Dist. Vadodara

Theme: Quality Circle for Creation of Wealth

NCQC 2009 Bengaluru

Date:18-21 December, 2009

Venue:AMC Engineering College, Bengaluru

Theme: Quality Circle – a Powerful Concept for Cost Reduction

NCQC 2010 Visakhapatnam

Date:27-30 December, 2010

Venue:College of Engineering, Andhra University, Visakhapatnam

Theme: Quality Concept – for Performance Excellence

NCQC 2011 Hyderabad

Date:9-11 December, 2011

Venue:G Narayanamma Institute of Technology & Science, Hyderabad

Theme: Quality Concept – for Sustainable Development

NCQC 2013 Durgapur

Date:20-23 December, 2013

Venue: Techno India University, Kolkata

Theme: Encourage, Enhance & Empower Through Quality Concepts.NCQC 2014

NCQC 2014 Pune

Date:19-22 December, 2014

Venue:Pimpri Chinchwad Engineering College

Theme: QCFI – Trusted Partner In the Journey for Excellence

NCQC 2015 Chennai

Date:18-21 December, 2015

Venue:SRM University, Kattankulathur

Theme: Make in India – A Vision through Quality Concepts

NCQC 2016 Bhilai

Date: 16-19 December, 2016

Venue:Shri Shankaracharya Institute of Professional Management & Technology

Theme: People's Participation & Passion – the Pathway to Overall Success

NCQC 2017 Mysuru

Date: 01-04 December, 2017

Venue : JSS Science and Technology University,

Theme: “Quality Concepts: Creating Value to the Society”

NCQC 2018 Gwalior

Date: 21-24 December, 2018

Venue : ABV-IIITM

Theme: “Igniting minds for innovation through Quality Concepts”

NCQC 2019 Varanasi

Date: 26-30 December, 2019

Venue : IIT (BHU)

Theme: “ Quality Concepts for Cultural Break Through ”

NCQC 2020 Virtual

Date : 20th December, 2020

Theme: “Self-Reliant India through Quality Concepts”

NCQC 2021 Coimbatore

Date : 27 - 30 December, 2021

Venue : PSG Institute of Technology & Applied Research(PSG iTech)

Theme: “Involving People Through Quality Concepts to Make India Global Leader”

NCQC 2022 Aurangabad

Date : 27 - 30 December, 2022

Venue : MGM University, Aurangabad

Theme: “Integrated Quality Concepts-The Gateway to Global Leadership”

NCQC 2023 Nagpur

Date : 04 - 07 January, 2024

Venue : Shri Ramdeobaba College of Engineering and Management, Nagpur

Theme: “Nurture Quality Concepts for a better future”

FOOD SAFETY SYSTEM – A palatable approach.

Introduction:

Food! The basic need of life is food. The main types of food are plant-based and animal-based. Food contains nutrients, essential for the growth of the body and regulation of vital functions. It provides energy to the living organisms. Not eating a healthy food will cause weakness and diseases. It is very important to eat a balanced diet. Food should be delicious, hygienic, safe and hazard free. Due to this, food safety is necessary and indispensable.

What is Food Safety?

It is imperative for all Organizations in the chain of manufacture, from farmer to consumer, food safety is most significant. The food chain consists of feed and crop producers, food processors, packaging and delivery, retailers and finally, the consumers. The imperil is that food safety can be at any point in the chain. Control is absolutely required to prevent contamination throughout the chain.

There are **THREE** types of contaminations for the food that is consumed. They are Physical, Chemical, Biological and also some Allergens. Physical contamination occurs when some of the foreign particles like hair, plastic, glass, dirt, fingernails, etc., get mixed. The chemical contamination happens by the presence of artificial additives to increase the shelf life, colors, veterinary drugs, toxins and so on. Biological contamination is by humans, rodents, pests or microorganisms. Notified some of Allergens arises in milk, eggs, spoilt food, Gluten etc., and also in the environment of storage at incorrect atmosphere, where bacteria survive. These contaminations are the root cause for chronic illness to consumers.

So, the Organisations have to have a management system for food safety.

Food Safety Management System (FSMS):

Food Safety Management System, is to control the probable food hazards and confirm safety to consumers. This comprises of different corrective and preventive measures, with appropriate

M.A.RAMANUJAM

Bengaluru Chapter



monitoring procedures and in accordance with food safety rules.

Whatever the product and type of food, manufacturing technology, storage and delivery, all the food producers have the responsibility to adhere to, and manage the safety of the product, and assure the wellbeing of the consumers. This amounts to standardizing the food chain totally, and not merely, the manufacturing Organizations. Herein, the standard ISO 22000, in combination with ISO 9001, and has an answer for all aspects of food safety.

ISO 22000:2018 is a globally recognised standard, the manufacturing chain of products have to enhance the food safety, and comfortably meet the consumer's confidence. The standard specifies interactive communication, system management, and hazard analysis and corrective actions. The standard talks about planning, implementation, operate, assess, maintain and update the FSMS. It applies to organizations manufacturing food, including package and delivery, as well as the statutory and regulatory requirements.

It was introduced in 2005. The current standard is ISO 22000:2018. The standard urges the organisation, to identify and conduct a thorough analysis of the hazards, and prevent them in future.

This is a tool to nurture the performance of quality for continual improvement, measure the effectiveness and monitor the progress. This is a 'daily' evaluating system.

The main clauses of ISO 22000:2018 are as follows:

1. Scope - This specifically includes animal and pet food.
2. Normative references.
3. Terms and Definitions.
4. Context of the organization.

5. Leadership - Explicitly requires the management to facilitate the understanding of the food safety policies by all employees.
6. Planning - Objectives: it should have 'consistent with customer requirements', 'monitored' and 'verified'.
7. Support – includes 'control of external sources and processes'.
8. Operation planning and control.
9. Performance evaluation – HACCP.
10. Improvement.

This includes auditing and traceability.

The standard speaks about process approach of PDCA and risk-based management. It uses PDCA in two levels in –

- a. covering Management Systems (Clause 4 – 8)
- b. covering principles of HACCP (Clause 9,10)

Hazard Analysis and Critical Control Points (HACCP) has seven elements, namely:

- 1) conduct hazard analysis.
- 2) identify critical control points (CCP).
- 3) establish critical limits for each of the hazards.
- 4) develop procedures to monitor CCP.
- 5) design corrective actions to handle violations.
- 6) validate and verify the system.
- 7) record the various check sheets.

The PDCA cycle enables to ensure the processes are resourced, managed and opportunities for improvement are decided and acted and CAPA is addressed.

Risk based thinking, which is a high level structure (HLS), is based on ISO 9001:2015 (Cl.6.1), points out to determine the cause of deterioration of the processes, impact and any deviations from planned resolutions. This is a must, for effective communication throughout the chain thoroughly.

Certification:

Organisations which establish the food safety can be certified by external auditing.

Food Safety System Certificate (FSSC 22000):

Food Safety System Certificate is developed by

the Global Food Safety Initiative (GFSI) and Publicly Available System (PAS). Recognition of GFSI, establishes the Organisations to meet the highest standards internationally, leading to worldwide food industry acceptance. It covers food products and packaging and labelling. FSSC 22000 is the result of coordination with leading manufacturers in the world.

Benefits of FSSC 22000 certification are customer trust, global recognition, competitive advantage and business expansion, brand credibility, market access, and easy accordance. Since the Organisations are streamlined and committed, continual improvement can be seen. FSSC 22000 is mandatory for all the Organisations for exporting.

Food Safety and Standards Authority of India (FSSAI):

The FSSAI was established in India in 2008, with a purpose for laying down standards for food safety, under Food Safety and Standards Act 2006. It works on ISO 22000.

Role of FSSAI is, prescribing standards and guidelines to Organisations, control of contaminants, labelling regulations, sampling study, procedure for imported articles, creating a network to circulate reliable information across the country, and providing training for beginners in the Organisations. Benefits of FSSAI certificate are in par with FSSC 22000.

Summary:

Food should be hygienic, defect free and safe. The Organisations which are in for FSMS, have the ability to consistently provide safe food, address the risks involved and applicable regulatory requirements, and can demonstrate the conformity to the consumer continuously. The FSMS will have to be certified to the standard ISO 22000:2018. It provides all information to assess and control the flow. The Organisation achieves better compliance with regulations and Corporate Policies. The overall performance of the food chain improves. It provides confidence to the Organisation and is customer friendly.

QCFI is associated with all food industries like Parle products, ITC, Mother Dairy, Balaji Dairy who are compliant with FSSAI norms.

G L I M P S E S
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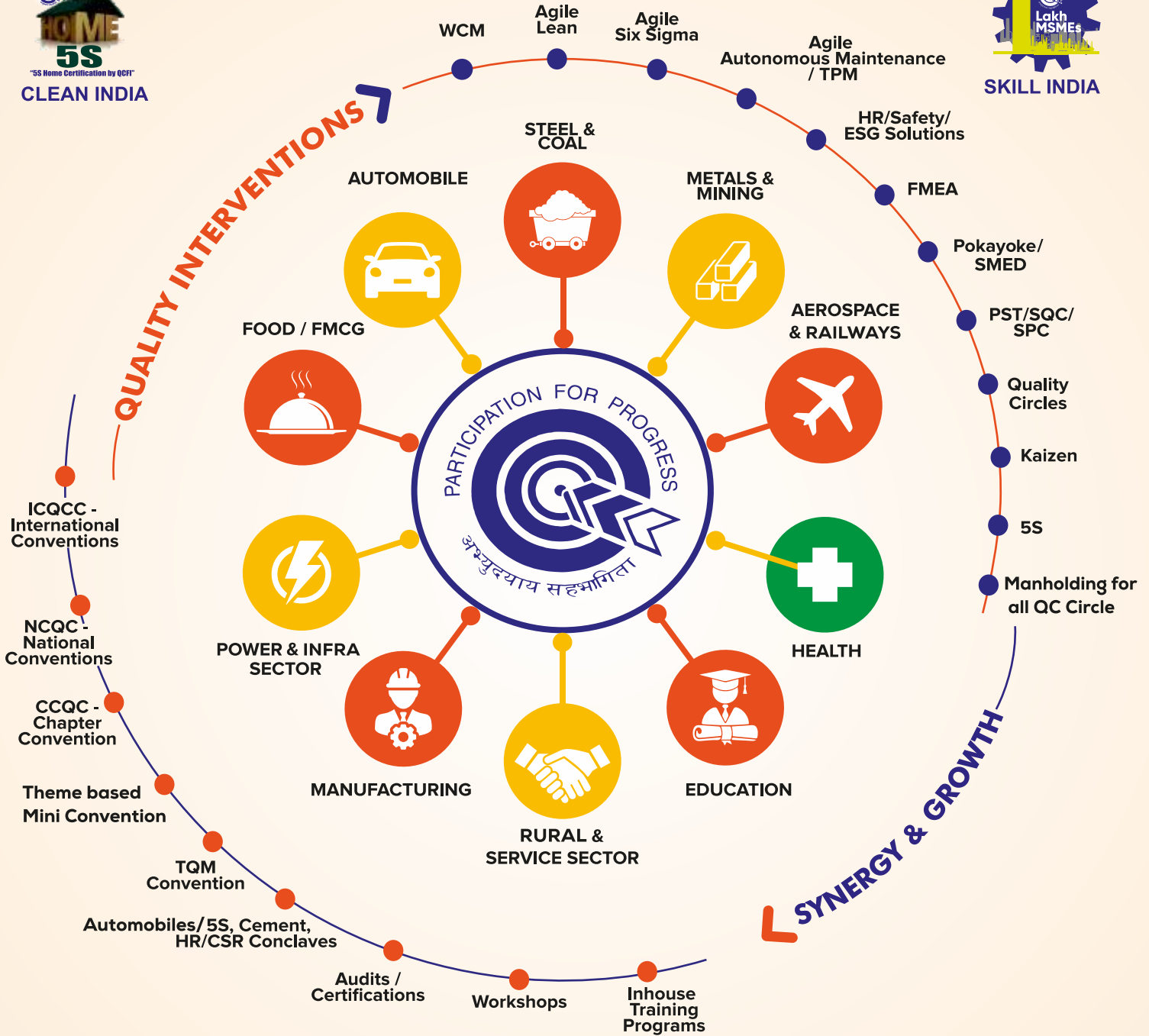




AURANGABAD

Quality Circle Forum of India

Driving India Towards Full Potential



35
Chapters / Sub Chapters / Centers

10933+
Individual / Institutional Members

600+
Faculty

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HOME 5S CONTEST

Get ready to participate in QCFI's national level contest and stand a chance to win and present in the NCQC model exhibition!!



Make a presentation on your Home 5S project and submit it on QCFI's official website <http://home5S.qcfi.in>
Entries can also be submitted through Whatsapp 62819 77039 for free!

Quality Circle Forum of India is embarking on a very popular mission of "5-S Home Certification" by QCFI to propagate Workplace management(5-S).

We appreciate homemakers participating in large numbers in this program which will give momentum to the Swachh Bharat Mission and will improve and sustain the housekeeping with fewer efforts, less money, less time, etc.

Who can participate: Competition open for

1. Individual Members of QCFI. They can also nominate a maximum of 5 close relatives and friends' houses for "5-S Home Certification" by QCFI.
2. Institutional Members of QCFI can nominate their employees' homes for "5-S certification" by QCFI.

Participation fee: Free Registration and Certification.

Top 5 Winners winners will be invited to participate in the 5-S Conclave. One delegate per family will be allowed free to present the case study. In the same way, 5 top scorers will be invited to participate in the forthcoming NCQC. One delegate will be allowed free to present the case study.

Jury: Senior QCFI faculty will evaluate and certify homes that score more than 70% marks. " 5S-Home Certification by QCFI" soft copy of the certificate will be mailed and valid for 1 year and can be renewed if continuous improvements are made through activities of 5S in Home throughout the year. One Nameplate will also be sent through soft copy mentioning "5-S Certified Home by QCFI" along with the name of the lady of the home and Name of one gets as suggested by the homeowner.

How: Instructions are given in the attached PPT. For

complete detailed instructions click on the links below:
(Hindi) 1 Lakh Home 5S Certification competition by QCFI - Guidelines in Hindi
(English) 1 Lakh Home 5S Certification competition by QCFI - Guidelines in English

Instructions:

Take the photographs of each area starting from the gate to cover the total area of your home.

Take care that all the Cupboards, Wardrobes, Shelves, drawers etc. are to be open when you are taking their photographs.

Photographs can also be submitted on WhatsApp 62819 77039 or through mail along with the names of family members.

5S Home project/Photos can be made into PPT/PDF and submitted online for competition on <http://home5S.qcfi.in>

Successful homes who will get 70% and more will get 5-S certificate within one month after receiving the photographs and other details.

Top scorers may be invited for 5-S Conclave and National Convention for their presentation.

Home 5S Certification Criteria:

5S HOME COMPETITION REQUIREMENT

	Home Size	Min. Photos Reqd
1	Single Room House	15
2	One Bed Room	20
3	Two Bed Room	25
4	Three Bed room	30
5	Above Three Bed room	40

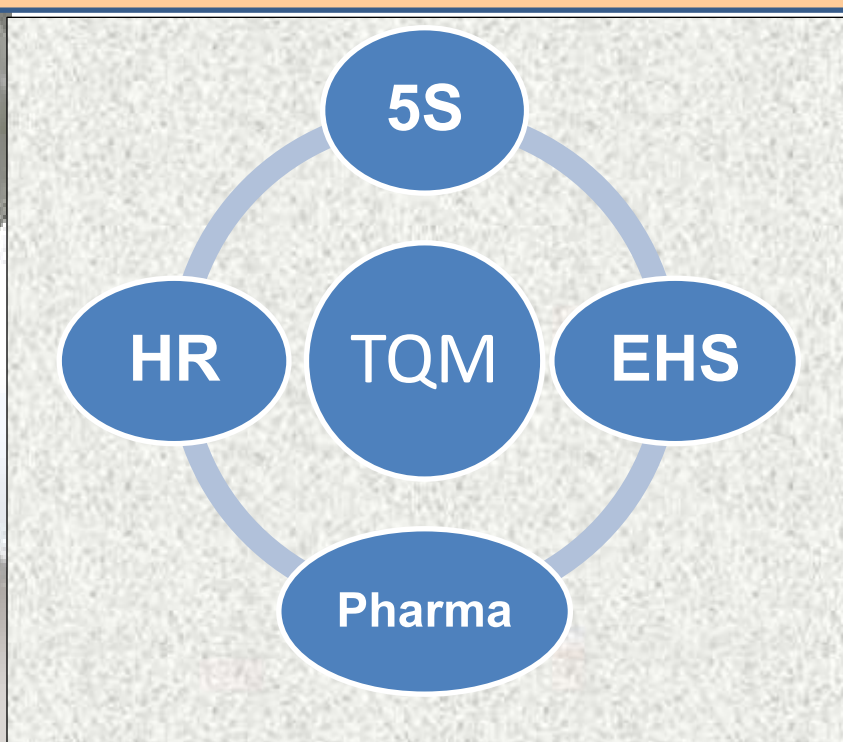
5S Home Competition Criteria

S. No	Criteria	Marks
1	Red Tag Area (Storage of unnecessary Items)	10
2	Creative Ideas / Best out of Waste / any other Special activity	20
3	5 Standard Practices	20
4	Photographs of the areas showing 5S Status	50
	Total Marks	100

Please note*Copy of images from google or any other online media to be avoided.

We request all the chapters to promote the competition using your websites, social media, journals and through emails. Hashtag #Home5SCertificaiton #QCFIHome5S #1LakhHome5S #Home5SCertificationbyQCFI #SwachhHome

**Nurturing growth
of organizations
with the potential
of employees through Quality Concepts**



**QUALITY CIRCLE FORUM OF INDIA,
Ankleshwar Chapter**

**Opp. State Bank of India (Main Branch), Chauta Naka,
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QUALITY CIRCLE FORUM OF INDIA

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Chairman and GC Members of

Bengaluru Chapter wish

NCQC – 2023

NAGPUR

A Grand Success.



Major events of Bengaluru Chapter in 2023

- **6th Poka Yoke Conclave 2023.**
- **Value Addition & Value Engineering Workshop 2023.**
- **HR Conclave 2023.**
- **Safety Month Celebration Workshop - March 2023.**
- **Quarterly e - magazine of QC Herald.**
- **Quality Path for Plastics Industry 2023.**
- **Annual General Meeting 2023.**
- **JURY Meet – CCQC 2023.**
- **CCQC 2023 Physical Mode with 509 teams – 10th September 2023.**
- **Released Practical Guide on 5 'S' Kannada in CCQC 2023.**
- **1st TQM National Summit 2023 Hosted by Bengaluru Chapter.**



QUALITY CIRCLE FORUM OF INDIA CHENNAI CHAPTER

*QCFI Chennai Chapter wishing the 37th National Convention on
Quality Concepts (NCQC 2023) a Grand Success*

Chairman and Team of QCFI Chennai Chapter



Mr. A. Mayuranathan
Chairman



Dr. T. Kalaiselvan
Secretary



S. Sundaram
Treasurer



T.R. Narasimhan
Director, QCFI



S. Murugan
Vice Chairman



V. Venkadesh
Vice Chairman



V. Thiagarajan
Joint Secretary



Dr. A. Sanjeeva Rao
GC Member



Dr. K. Umarani
GC Member



S. Ramachandran
GC Member



N. Viswanath
GC Member



Dr. G. Sundari
GC Member



Mr. S. Suresh
GC Member



Quality Circle Forum of India

Rourkela Chapter

"B/56, Sector-20, Rourkela-769005, Sundergarh, Odisha"

(M) 094372 45547 / 08895501691

Email: qcfi.rklchapter@gmail.com

Chairman and GC Members of Rourkela Chapter wish

NCQC - 2023

Nagpur

a grand success





With Best Compliments from
QCFI Kolkata Chapter

**Chairman and all the
Governing Council Members
of QCFI Kolkata Chapter
wish all success for
NCQC 2023, Nagpur**

QUALITY CIRCLE FORUM OF INDIA
KOLKATA CHAPTER

C/o. The Association of Engineers, India
24, N. S. Road, 1st Floor, Kolkata - 700 001

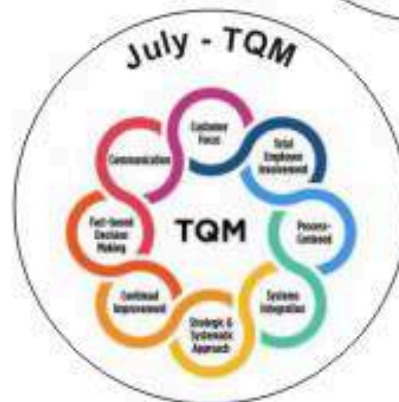
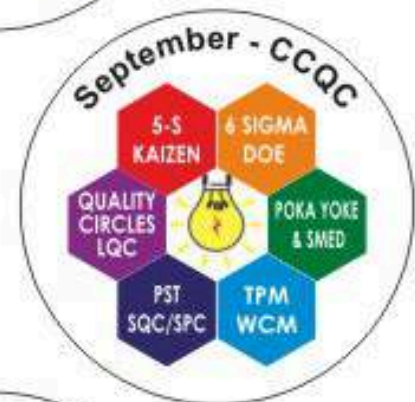
Mobile: 9830320935 / 9836111634

Telephone : 033-22428165; 2230-6714

Email: qcfikol@bharatmail.co.in; qcfikol@gmail.com

Website: www.qcfikol.com

Best Compliments from Pune Chapter for the grand success of NCQC 2023



QUALITY CIRCLE FORUM OF INDIA

PUNE CHAPTER

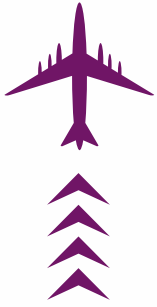
Quality Circle Excellence Centre

Plot No: J/P-10, Telco Bhosari Road, Ganesh Nagar,
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Contact : (O) 8623950951 (M) 9028468333

Email : qcfcip@gmail.com

Website : www.qcfipune.com



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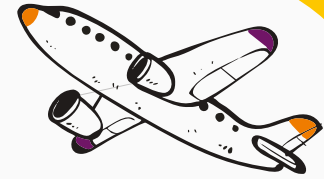


Domestic Destinations

- ❖ Goa
- ❖ Rajasthan
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- ❖ Singapore
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Vertex Global is an established company in the Travel Industry. We cater to the MICE segment. Additionally, we also provide customised services for individual customers. They have always found our packages to be priced at competitive rates and prefer us as their preferred partner.

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We are adept at providing the best possible assistance which ensures a smooth Participation. Our continuous effort has also resulted in us being recognised at the highest level! Vertex team thanks QCFI for the support extended till date and looks forward for the same in coming years. We are eagerly waiting to serve you again during NCQC 2023.

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Your eyes are the most beautiful part of your face, and that is why, you do not always want to keep them behind a pair of spectacles. That is where contact lenses provide you with the best solution. They enable you to enjoy clear vision at the same time, show your part of eyes to the world around. Besides that, wearing contact lenses also provides you with a peripheral view, thus enabling you to create a world full of vision.

There are several types of eye lenses that are available nowadays for you to choose from. They are mainly categorized based on eye lens material and suitability. On the basis of material, you can select soft contacts or rigid gas permeable lenses. Both of them are suitable for different cases. Based on suitability, there are disposable contacts and extended wear eye lenses. There are also colored eye lenses which help you in beautifying a different look, which comes with both glasses and eye-power correction.

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Due to an increase in the number of people who wear eye lenses, several best eye lenses brands are now available in India. We at Titan Eyez bring together some of the best brands like Bausch and Lomb, Arise and Proforma to help you choose the most suitable pair of lenses for your eyes. Whether you want to buy the best eye lenses for cosmetic reasons or vision correction purposes, choose a reliable brand to get maximum benefit to your eye health.

Soft contact lenses for eyeglasses are made of flexible plastic using the latest optical technology. They allow more oxygen to pass through to the cornea and provide relief in correcting eye conditions such as Myopia, Hyperopia and Presbyopia.

Made of flexible plastic, these give a sharper vision as compared to soft contact lenses. They provide a rigid fit, and the power of the eye lens proves right for those with irregular or eye conditions such as lack of sharp vision or irregularity of eyeball shape.

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