

**34<sup>th</sup>**

# CHAPTER CONVENTION ON QUALITY CONCEPTS

**34<sup>th</sup> CCQC-2023**



*Organised by*

## **QUALITY CIRCLE FORUM OF INDIA**

**Nagpur Chapter**

*In association with,*

### **RCOEM**

Shri Ramdeobaba College of  
Engineering and Management, Nagpur

**THEME**

**Nurture Quality  
Concepts  
For a Better  
Future**

**Case Study Presentation &  
Valedictory Function**

**Sunday, 10<sup>th</sup> Sept. 2023**

**All Case Study / Poem / Essay /  
Slogan / Cartoon / Poster  
to be submitted between**

**17<sup>th</sup> Aug. 2023 to 28<sup>th</sup> Aug. 2023**

**Knowledge Test**

**Knowledge Test will be  
conducted online between  
22<sup>nd</sup> Aug. to 29<sup>th</sup> Aug. 2023**

**VENUE**

**Shri Ramdeobaba College of  
Engineering and Management, Nagpur**

# Invitation

Quality Circle Forum of India, Nagpur Chapter has great pleasure in extending warm invitation to all the institutional , life , individual and Quality circle member to participate in 34<sup>th</sup> Chapter Convention on Quality Concepts (CCQC-23). This mega event will be an excellent platform for presenting the best work done by the various quality practicing organization. It will be a unique opportunity for all of us to share and learn.

## A. K. Jain

Chairman, QCFI,  
Nagpur Chapter  
Director - QCFI Board

## Manohar Hedao

Vice Chairman  
QCFI, Nagpur Chapter

## Dushyant Pathak

Vice Chairman  
QCFI, Nagpur Chapter

## Ajai Nigam

Vice Chairman  
QCFI, Nagpur Chapter



## Vivek A. Shrouty

Secretary  
QCFI, Nagpur Chapter



## OBJECTIVES

1. To function as a common forum for discussion and dissemination of information related to Quality Circle and other Quality Concepts as part of TQM.
2. To assist both individuals and organizations to launch and operate Quality Circles integrated with TQM.
3. To improve, enrich and uplift the quality of work life and provide opportunities for self and mutual development of members of the Quality Circles.
4. To cultivate and promote a high standard of ethics amongst the members.
5. To associate with other National and International organizations engaged in similar pursuits.

## PROGRAM SCHEDULE

**Sunday, 10<sup>th</sup> September, 2023**

|                               |   |                   |
|-------------------------------|---|-------------------|
| Registration of Participant   | ➡ | 7.00 AM - 8.45 AM |
| Kit distribution              | ➡ | 7.15 AM - 8.45 AM |
| Tea & Break Fast              | ➡ | 7.00 AM - 8.45 AM |
| Inaugural function            | ➡ | 8.50 AM - 9.30 AM |
| Case study presentation       | ➡ | 9.30 AM - 2.00 PM |
| Lunch                         | ➡ | 1.00 PM - 2.00 PM |
| Cultural event by participant | ➡ | 3.00 PM - 4.00 PM |
| Valedictory Function          | ➡ | 4.00 PM - 5.30 PM |
| Snack box distribution        | ➡ | 5.30 PM - 6.00 PM |

## 17<sup>th</sup> August 2023 to 28<sup>th</sup> August 2023

All case study / poem / essay / slogan / cartoons / poster  
to be submitted through

Mail ID- [QCFI.Nagpur@gmail.com](mailto:QCFI.Nagpur@gmail.com)

## 22<sup>nd</sup> August 2023 to 29<sup>th</sup> August 2023

Knowledge Test will be conducted online on QCFI Nagpur Chapter website.

### HOW TO REGISTER

- 1) Organization will receive Registration Form through mail OR can be downloaded from our website [www.QCFI.Nagpur.in](http://www.QCFI.Nagpur.in)
  - 2) Registration Form to be sent dully filled on [QCFI.Nagpur@gmail.com](mailto:QCFI.Nagpur@gmail.com)
- Note - Registered organization / Team will receive following through mail
- a) Registration Confirmation letter
  - b) Provisional Tax Invoice Copy

### WHO SHOULD ATTEND?

**Organisations and individuals will benefit most by attending the convention.**

1. Organisations who want to strengthen human resources.
2. Organisations about to launch Quality Concepts or such activities like Kaizen, 5S, Safety, 6 Sigma, TPM, Poka Yoke TOM.
3. Organizations where Quality Concepts or such activities are functioning.
5. Individuals who want to study Quality Concepts or such activities.

E.g. Students from school, Engineering College, Management Institutions, Medical College. Convention is open to all institutions, organizations whether engaged in Trade, Manufacturing, Service, Hospitals, Educational Institution, banks, etc.

### RTGS PAYMENT DETAILS

All the payment are to be made online or Cheque / DD only

|                            |                                                                                         |
|----------------------------|-----------------------------------------------------------------------------------------|
| <b>QCFI Nagpur,</b>        | <b>PAN - AAAAQ0008P &amp; GST No. 27AAAAQ0008P5ZF</b>                                   |
| <b>Beneficiary Name -</b>  | Quality Circle forum of India, Nagpur Chapter                                           |
| <b>Account No. -</b>       | 009010100010642 IFSC code - NGSB00000009                                                |
| <b>Bank &amp; Branch -</b> | Nagpur Nagarik Sahakari Bank, MIDC, Hingna, Nagpur                                      |
| <b>Payment -</b>           | Cheque / DD in favor of Quality Circle forum of India, Nagpur Chapter payable at Nagpur |

## AWARDS



1. **Super Gold / Gold / Silver** specially designed mementos will be awarded to Quality Circle Teams.
2. Certificate to each team member who participate in CCQC-23.
3. Selected Essays / Poem / Slogan / Poster will be published in QCFI Nagpur chapter e-news letter “Sankalp”
4. Award to individual participant will be given for Essay / Slogan / Poem / Poster competitions.
5. For Knowledge test / Model award will be given to winning teams.
6. Late Shri Ashok Gadge Memorial Quality Circle 4.0 Award to organization.
7. Best propagation organization award will be given to winner organization.
8. A New Award is introduced “**GREEN EXCELLENCE AWARD**” which is based on concept of Sustainability / ESG / Climate Change etc.

## COMPETITION GUIDELINES

- **QC case study presentation** – Maximum time allowed 15 minutes, first bell after 12 minutes.
- **Kaizen, 5S, Lean Safety Circle (LSC), 4 Sigma, Poka-yoke, Lean Quality Circle (LQC), SMED, 7 PM Circle, ISO presentation.** Maximum time allowed 15 minutes, first bell after 12 minutes.
- **Knowledge Test online** - Base on QCFI guides, [www.qcfinagpur.in](http://www.qcfinagpur.in)
- **Poster Competition** - Use 450 mm x 600 mm sheet scan the sheet and mail.
- **Slogan/Poem /Essay competition** download standard sheet from [www.qcfinagpur.in](http://www.qcfinagpur.in)
- **Model Competition** - Physical model to brought at convention Center.
- **Best Propagation Award** - Separate form will be provided to fill the details of achievement or can be downloaded form [www.qcfinagpur.in](http://www.qcfinagpur.in)
- **Late Shri Ashok S. Gadge Memorial Quality Circle 4.0 Award** - Nomination of any one circle who use concept of unique automation with low cost (UALC) in their case study to be communicated through mail during submission of case study and to be mention in Registration form.
- “**GREEN EXCELLENCE AWARD**” (Sustainability / ESG / Climate Change etc.) for organization

**The following guidelines are applicable for the participation in the competition.**

- 1) Case study / presentation to be mailed on [qcfinagpur@gmail.com](mailto:qcfinagpur@gmail.com) before 28<sup>th</sup> August 2023
- 2) Presentation and model competition will be held in physical.
- 3) Presentation can be in Marathi, Hindi, or English Language.
- 4) Forms for all the competition in available on our website [www.qcfinagpur.in](http://www.qcfinagpur.in)

## PARTICIPATION FEE

- ◆ Rs. 18000/- + GST as applicable per Quality Circle Team of 6 members each max.
- ◆ Rs. 12000/- + GST as applicable per Allied Team (other than QC team) Quality Circle Team of 4 members each max.
- ◆ Rs 3000/- + GST as applicable, for additional one Team member / Guest / Delegate
- ◆ Rs. 1000/- + GST as applicable, per student from Educational Institutions for attending and / or presenting case study.

**Note - There will be no extra fee for other competitions**

| EVALUATION CRITERIA FOR QUALITY CIRCLE CASE STUDY IN CCQC |                                                                          |            |
|-----------------------------------------------------------|--------------------------------------------------------------------------|------------|
| SR.NO                                                     | Activity Area                                                            | CCQC Marks |
| 1                                                         | Pre-evaluation for QC Team Case Study                                    | 120        |
| 2                                                         | Pre-evaluation for LQC & other allied concepts                           | 140        |
| 3                                                         | Case study oral presentation marks (For all Teams)                       | 40         |
| 4                                                         | Question - answer based on project presented (For all Teams)             | 20         |
| SR.NO                                                     | Pre-evaluation for QC Case study                                         | CCQC Marks |
| 1                                                         | Identification of Problem                                                | 0          |
| 2                                                         | Selection of Problem                                                     | 0          |
| 3                                                         | Define The Problem                                                       | 12         |
| 4                                                         | Analysis of the Problem                                                  | 12         |
| 5                                                         | Find Out Causes                                                          | 12         |
| 6                                                         | Root Cause Analysis                                                      | 6          |
| 7                                                         | Data Analysis                                                            | 16         |
| 8                                                         | Development of Solution                                                  | 16         |
| 9                                                         | Foreseeing Probable Resistance                                           | 6          |
| 10                                                        | Trial Implementation and Check Performance                               | 16         |
| 11                                                        | Regular Implementation                                                   | 12         |
| 12                                                        | Follow-up / review                                                       | 12         |
| Total                                                     |                                                                          | 120        |
| SR.NO                                                     | Pre-evaluation criteria for Case study of LQC and other allied concepts. | CCQC Marks |
| 1                                                         | Selection of problem and its relevance to the concept                    | 20         |
| 2                                                         | Brief concept and selection of problem                                   | –          |
| 3                                                         | Define the problem / project                                             | 20         |
| 4                                                         | Data collection (measurement)                                            | 30         |
| 5                                                         | Analysis of the data                                                     | 30         |
| 6                                                         | Improvement / Solution implement & gain                                  | 20         |
| 7                                                         | Follow up & control                                                      | 20         |
| Total                                                     |                                                                          | 140        |
| SR.NO                                                     | Case study presentation marks for QC Team & LQC & other allied concepts  | CCQC Marks |
| 1                                                         | Sequence                                                                 | 10         |
| 2                                                         | Communication Skills                                                     | 10         |
| 3                                                         | Time Management                                                          | 10         |
| 4                                                         | Special Effects                                                          | 10         |
| Total                                                     |                                                                          | 40         |
| Question - answer based on project presented              |                                                                          | 20         |

**NOTE :** Team awarded Super Gold and Gold in CCQC-23 will be recommended for NCQC-23, Nagpur

### Address For Correspondence

**Vivek Shrouty**

Quality Circle Forum of India  
Flat No. 501, Sanskruti Appartment,  
Samata Layout, Yashwant Nagar  
N.A. Road, Opp. Swimming Pool,  
Ambazari, Nagpur - 440033

Phone Nos.

**Mr. Vivek Shrouty - 75070 45308**

**Mail ID - [vivekshrouty@gmail.com](mailto:vivekshrouty@gmail.com)  
[qcfinagpur@gmail.com](mailto:qcfinagpur@gmail.com)**



## LATE SHRI ASHOK S. GADGE MEMORIAL QUALITY CIRCLE 4.0 AWARD

QCFI Nagpur Chapter introduced new award to recognize the good work done by team members on Quality Circle and Quality Concepts.

In this series, one of the coveted award being launched this year is LATE SHRI ASHOK S. GADGE MEMORIAL QUALITY CIRCLE 4.0 AWARD

### ABOUT LATE SHRI ASHOK S. GADGE



He was Vice Chairman of QCFI Nagpur chapter .He worked at Indian Ordnance Factories, Ministry of Defence, Government of India. Had special experience in erection and commissioning of plants and heavy engineering Industries, casting industries.

Worked as Engineering Consultant and as faculty of Hydraulic, Air Conditioning, management subjects and also in Industrial Safety. Worked as HRD faculty for renowned Institutions, Industries and organizations, a reference person for Energy Conservation. He was a competent person of Govt of Maharashtra for Industrial Health and Safety.

He was also a Director on the governing body of the Dharampeth Education Society, Nagpur.

Associated with Quality Circle Forum of India (QCFI), for more than 40 years, nurtured and expanded the QCFI Nagpur Chapter to a new height. He conducted the various training programmes, workshops for various organizations on Quality Circle, Human Developments and on HRD for more than 3050 days.

With his continuous encouragement and contribution, QCFI Nagpur Chapter started many new things, like publishing magazine "SANKALP" and Centre of Human Excellence at Shri Ramdeobaba College of Engineering and Management, Nagpur.

### ABOUT LATE SHRI ASHOK S. GADGE MEMORIAL BEST QUALITY CIRCLE 4.0 AWARD

This award will be selected from category of Quality Circle and Allied Quality Concepts both. Organization has to mention only one name of QC/AQC and inform through mail and to be mentioned in Registration form where team used the concept of Unique Automation with Low Cost (UALC) for this award, form the team participated in CCQC 2023.

# TEAM QCFI NAGPUR CHAPTER

## A K Jain

Chairman  
QCFI Nagpur Chapter  
Director QCFI Board

## Manohar Hedaoo

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

## Dr. Pankaj Choudhari Jain

Treasurer, QCFI NC  
Sr. Doctor, Wockhardt 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  
Khaperkheda

## Dr. Vijay Gandhewar

GM - Technical Training  
Adani Power Ltd, Tiroda

## Adit Chaturvedi

AGM - Manufacturing  
Ashok Leyland Ltd, Bhandara

## Dr. Rajiv Khaire

Dean - III Cell, Shri Ramdeobaba College  
of Engineering & Management, Nagpur

## L. V. Udan

Ex. Executive Engr. - MSPGCL  
KTPS, Nagpur

## Abhay Girare

AGM  
Head-Business Excellence  
JSW Steel Coated Products Ltd., Kalmeshwar

## Abhay Sabnis

Consultant Trainer (Quality Concepts)  
Ex. Mahindra & Mahindra, Nagpur

## Gopal Vyas

Asst. Manager (Recombining)  
Raymonds Ltd, Chindwara

## Praveen Singh

Head Academy  
CEAT Nagpur

## Anand Dhoka

CA, Dhoka Brother and Co.,  
Nagpur

## Akash Mahakulkar

General Manager - Marketing & Service  
Basant Fibertek Pvt. Ltd.

## Bharat Kalambhe

Assistant Engineer  
Koradi Power Plant

## N. K. Sinha

DGM (Operation)  
Mahindra Logistic Ltd, Nagpur

## ABOUT THE INSTITUTE

Shri Ramdeobaba College of Engineering and Management (RCOEM), Nagpur was established in 1984 by Shri Ramdeobaba Sarvajanic Samiti (SRSS), a charitable trust that has been engaged in various social activities since 1967. Shri Banwarilal Purohit, Hon'ble Governor of Punjab & Administrator of Chandigarh is the Founder and Chairman Emeritus of RCOEM, is the force behind College success. Shri Satyanarayanji Nuwal is the current Chairman of RCOEM.

RCOEM is an ISO 9001:2015 Certified Autonomous College which is Affiliated to RTM Nagpur University. It has been awarded "A+" Grade by NAAC. The college is considered one of the best institutions in the country and offers Under Graduate, Post Graduate Programs in Technology along with Master of Business Administration & Master of Computer Application.

### Latest Rankings:

- RCOEM is placed in **Engineering Category-Rank Band 151-200** as per NIRF 2023
- RCOEM is placed in **Innovation Category-Rank Band 51-100** as per NIRF 2023
- RCOEM has got INDIA TODAY RANKING of '**20<sup>th</sup>**' in All India Private Engineering Colleges Category in 2021.
- RCOEM has got CSR Magazine survey 2021 of '**21**' in all Engineering Colleges of India.
- RCOEM ranked '**32<sup>nd</sup>**' in Outlook's India's Best Professional Colleges 2021 Survey.

RCOEM is known for its excellent and well-qualified faculty. College boasts of 136 faculty members who hold a Doctorate i.e. Ph. D. degree in their respective subjects. Many faculty members have brought laurels to the institute by way of awards, honours and prizes at the National and International levels. Students are groomed under the expert guidance of faculty members in academic and co-curricular areas. Guided by experienced and qualified faculty members, RCOEM has been providing Training and Consultancy to various corporate in India. Faculty members have undertaken Consultancy & Training projects worth more than Two Crores with numerous companies in Private & Public Sector viz. Mahindra & Mahindra, Spacewood, Manas Agro Industries, SMS Limited, Zim Laboratories, WCL, MOIL, Powergrid Corporation, NADT, AG Office etc. RCOEM has received Grants of more than Four Crores from various Government agencies such as the Ministry of Coal, Ministry of MSME, Department of Science & Technology (DST), AICTE etc. for conducting research activities. With 199 Copyrights, 292 Patents and 2116 publications in Scopus & WOS, RCOEM has established a strong foundation in technical education.

RCOEM has been selected as the top institution in Maharashtra for implementing Rajiv Gandhi Science and Technology Commission (RGSTC) - MSME Internship scheme under Government of Maharashtra since last 8 years. To give momentum to innovation, entrepreneurship and incubation support-related activities, RCOEM has established RCOEM TBI Foundation, a Section 8 Company. It provides all the necessary support including Handholding, Mentoring, Capacity building & above all funding. The Institute in association with Tata Technologies Ltd. has set up the benchmark of excellence in Engineering & Technology education. RCOEM-TATA Centre for Invention, Innovation, and Incubation & Training (CIIT) is at par with the world-class technologies. The major objective of the state-of-art CIIT is to inculcate the culture of invention, innovations & skill development in the students, researchers and industry professionals, based on education 4.0. The Institute also has following Centre of Excellence:

- Centre of Excellence in Artificial Intelligence and Deep learning (AI & DL) in association with NVIDIA
- Centre for Microsystems in association with Intellisense, Bangalore,
- Centre of Human Excellence in association with Quality Circle Forum of India (QCFI),
- Energy Research Centre (ERC)

With globalization and the increasing need for international exposure to academia, RCOEM has forged ties with various universities of USA, UK, France, Germany and Australia. The primary aim of these collaborations is to foster advancement in teaching, research and academic collaboration and to create avenues for enhancing student and faculty experience, enhanced employability with the development of curriculum, practical approach, soft skill development and creativity.

RCOEM has strong ties with its Alumni. The Alumni Association of **RCOEM** has been formally named as **Ramdeobaba Alumni Connect Association (RACA)** & is incorporated as a 'not for profit' Company under Section 8 of the Companies Act, 1956. The Alumni Association, through mentoring activities, industry events, awards, and extending financial assistance to needy students, aim to assist the Institute to produce professionals and technocrats of the highest calibre, with an emotional connect thereby creating a vibrant professional culture, which will address the various technological demands of the society.

# RCOEM

Shri Ramdeobaba College of  
Engineering and Management, Nagpur

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