30th CCQC

CHAPTER CONVENTION ON QUALITY CONCEPTS

24th - 25th September 2022

Theme

Integrated Quality Concepts – The Gateway to Global Leadership

Organized by

QUALITY CIRCLE FORUM OF INDIA
ROURKELA CHAPTER

RiMS school of management & information science Estd. 1984

Professional hands to shape your future

PG COURSES:
MBA | MCA
Approved by AICTE, New Delhi & Affiliated to BPUT, Odisha.
PGDM
Affiliated to All India Management Association, New Delhi.
UG COURSES:
BBA | BCA | BJMC
Recognized by Govt. of Odisha.
Affiliated to Sambalpur University

RiMS school of management & information science Estd. 1984

Training & Meeting with various organisations

Glimpses of Chapter Meeting, Virtual CCQC-2021 & Training Programme successfully conducted by QCFI, Rourkela Chapter

I n v i t a t i o n

Dear All,

I, on behalf of Executive Council, Rourkela chapter have a great pleasure in extending the cordial invitation and warm welcome to all of you to participate in the **30th Chapter Convention on Quality Concepts (CCQC-2022) from 24.09.2022 to 25.09.2022 (Saturday & Sunday) at RIMS, Chhend, Rourkela.** It's that time of the year when we start our preparations for our annual event and we are back again this year to give you an insight on the Chapter Convention on Quality Concepts (CCQC) event for 2022.

COVID-19 pandemic did cause havoc worldwide and so in our country too during the last two years and put many restrictions. Now all of us have started moving on the path of normalcy with renewed energy and enthusiasm. However Social distancing, wearing Facemask and regular Hand Washing with soap or hand sanitizer need to be continued even today.

Keeping this in view, it was *decided to have the CCQC-22 in physical mode.* Details regarding participation are given in the Brochure including fee structure. We shall have all the usual events like Case study presentation, Kaizen display / Model competition / Home Makers' Kaizen / 5S display besides Essay / Slogan / Poem / SKIT competition or Knowledge Test (Optional) for the benefit of our participating teams which will help in preparation for NCQC-22 in Aurangabad, Maharashtra in Dec.'22.

Despite of this pandemic, Rourkela chapter of QCFI has made significant contribution in promoting and popularizing the concept of Quality Circle and allied concepts e.g. Lean QC, 5S, SPC, Kaizen, Six Sigma, TPM, Poka Yoke, QIT etc. in the region. Today Quality Circles and Allied Quality Concepts have emerged as a mechanism to develop and utilize the tremendous potential of people for improving Production, Productivity and Quality. These concepts have gained immense popularity as it respects people working at every level, involve them in decision making and facilitate an environment where an individual's capabilities are looked upon as assets to solve work-area problems. Application of knowledge and skills by first line employees can produce and render quality goods and services. CCQC provides a platform to showcase the talents and share the same with other teams thereby bringing laurels to their respective organizations.

Rourkela Institute of Management Studies (RIMS), established in 1984 with a beautiful campus and one of the leading management schools in the country, offers full-time courses like MBA, MCA, PGDM, BBA, BCA, BJMC, Business Analytics, Digital Marketing, Cyber Security & Data Science etc. It has well equipped labs, faculties, a fully Wi-Fi enabled campus and Boys & Girls hostels. Institute is NAAC accredited and winner of the Golden Peacock National Training Award too.

We are thankful to all our participating organizations in the region with whose support 127 circles had participated in CCQC-2021.

We look forward to welcoming you to the 30th Chapter Convention on Quality Concepts (CCQC-22) during September 24-25, 2022 in Rourkela.

<div align="right">

Sincerely
Sd/-
(S R Suryawanshi)
Chairman, QCFI-RC &
E D (Works), SAIL/RSP, Rourkela

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SUCCESS IS THE RESULTS OF CONTINUOUS & PERSISTENT EFFORTS

OBJECTIVES:

1. To provide a forum for interaction and exchange of knowledge on Quality concepts
2. To provide an opportunity to the members of Quality circles & allied concepts to exchange their ideas, learn and explain their achievements
3. To give an opportunity to display their creative talents through competitions in Essay, Slogan, Poem & SKIT
4. Encourage the spirit of competition, teamwork and continuous improvement to gain & sustain high team motivational standards and results
5. To select and recommend the case studies for the forthcoming 36th National convention on Quality Concepts (NCQC-2022) being held in Aurangabad, Maharashtra in December 2022

WHO SHOULD PARTICIPATE?

1. Teams from QC & Allied concepts
2. Organisations including MSMEs who wish to introduce QC & other concepts
3. Potential Practitioners & Life members
4. Students & Staff from Educational Institutions

A BRIEF OUTLINE OF PROGRAMME EVENTS:

1. **CASE STUDY PRESENTATION**

   Case studies nominated by various organizations will be considered in CCQC-2022. Only those case studies (*Gold Award winners*) will be eligible for consideration for presentation in NCQC-2022 to be held in Aurangabad, Maharashtra in December 2022. *However, Case Study report is to be sent in SOFT copy through e-mail only for evaluation.* Participating circles need to bring Presentation slides in PPT at the time of the convention.

2. **KNOWLEDGE TEST:**

   Since this is mandatory in NCQC, it is advised that all registered teams participate in it for their knowledge of various Quality concepts and QC tools & techniques. The time duration will be of 20 minutes. Mark sheet will include these marks also. *This is OPTIONAL in CCQC-2022.*

3. **ESSAY, SLOGAN, POEM, SKIT & MODEL COMPETITION:**

   ➢ There is an immense quest for excellence in all fields of human endeavor. QCFI has been leading in this regard through employees' involvement. Hence the theme for the Essay competition this year is *"Integrated Quality Concepts – The Gateway to Global Leadership"* and is limited to 500 words only.

   ➢ **Slogan / Poem** can be related to various Quality concepts like QC, 5S, TQM, Kaizen, Safety etc. *For Slogan / Poem, the team / member can give a maximum of 2 entries only.*

   ➢ **Display of Models / SKIT competition:** Participation in the Model competition will be limited to 30 participating teams only due to space constraints. For SKIT contest, the theme has to be related to any Quality concepts. Only interested participating teams can take part in it. *Intimation regarding Date / time for Model display / SKIT* shall be given separately to the teams in advance. Maximum time allotted is 10 minutes only for Model / SKIT.

   ➢ **Display of Kaizen:** Participating teams, if interested, can send in nomination for this. A copy of the report in prescribed FORM-03 (enclosed herewith) is to be sent for evaluation. The team can display kaizen in A4 size paper. One team can send only one kaizen for display. Maximum time allotted is 10 minutes only.

   ➢ **Home Kaizen / Five S by Homemakers:** To encourage Kaizen / Five S practices in the home, Rourkela chapter wishes to recognize homemakers, who have done improvements in their homes. Interested teams have to send the report in soft copy. The presentation can be done through Posters, PPT slides or Photos.

   ➢ **Product Exhibition by Organizations / Institution:** A space of 3m * 3m with a table and other required facilities shall be provided for the display of products / services provided. It is a wonderful opportunity for both producers and visitors to mutually learn and exchange ideas. *Visitors shall be required to drop their cards in a box kept in the stall. Lucky winners shall be rewarded too.*

   ➢ **Best TQM practices in the organization:** Willing organizations can send in their entries mentioning details of various TQM practices adopted in the organizations with data and any awards or accolades

received. Two organizations shall be awarded. The last date for sending the entry is **7th September, 2022**.

GUIDELINES FOR COMPETITION:

1. *This year for CCQC-22, there shall be evaluation for the Case study report, Presentation and QC Register evaluation too. Evaluation will comprise of all these three for 100 marks. No QC register for Allied concepts circles.*
2. Standard fonts e.g. Times New Roman, Arial etc. and standard animations are advised to be used for case study reports / presentations to avoid any issues while opening the report.
3. Front page of Case study report shall have the details like name of Organization & Team, Title of the case study and Category of the case study e.g. QC, 5S, SPC, Six Sigma etc. (Summary Sheet).
4. Case study report (in English) to be e-mailed only, either in WORD or PDF format (*preferably as its size reduces significantly*), and must be limited to less than 10 MB.
5. However, the presentation can be made in Odia, Hindi or English language
6. ***Case study report for QC & Allied concepts as well as Presentation slides must be strictly prepared as per the guidelines of QCFI only. QC Register also must be updated as per guidelines and kept ready for evaluation.** **Format for the same is given in the brochure***.
7. All entries for Case study, Essay, Slogan, Poem, SKIT (Video format), Home Kaizen or Homemakers' 5S or Kaizen display must reach on or before **07th September 2022** including the dully filled-in Registration form.
8. Copy of QCFI membership needs to be sent along with the Registration form via e-mail too.
9. *QC register being maintained (in QCFI Register format permissible) must be submitted on the convention day at the Registration counter.*
10. All Case Studies shall be evaluated by two judges, trained by QCFI.
11. Certificates shall be issued as per names given in the Registration form.
12. Case study presented previously in Chapter / State / Regional / National level are not eligible for CCQC-2022.
13. Date/Time for *Model display, SKIT, Kaizen display or Home Maker's Kaizen/5S presentation competition* shall be sent separately to the Participating Organization's Coordinator. The last date for registration is **7th September, 2022**. Only 2 members shall be permitted per circle.
14. Participation in Knowledge Test, Essay / Slogan / Poem or SKIT competition is optional. It is being conducted for the practice of the teams towards preparing them for NCQC-22.
15. Essay/Slogan/Poem/SKIT should be in Odiya / Hindi / English language only. A maximum of two entries per team member is permissible.
16. All Case study presentations on QC or Allied concepts shall be conducted in parallel halls.
17. Each team shall be given **15 minutes** for presentation and **5 minutes** for Question & Answer whereas **1 minute** for changeover to the next team.
18. Presentation aids e.g. audio system, Multi-media kit, screen & tables shall be provided in each hall.
19. CD/DVD/Pen drive for presentation to be loaded beforehand in respective halls. Teams may bring their own laptop for presentation.
20. Certificates are made as per names given in the Registration Form. Ensure that names are written correctly in the Registration Form
21. *Trophy and certificate shall be given to the winning teams of QC / Allied concepts / Model display / Kaizen display or Home Kaizen/5S or SKIT competition or Knowledge Test. Winners of the Essay/Slogan/Poem competition shall be given a gift. All the certificates shall be mailed to the respective coordinator of the participating organization.*

AWARDS TO BE PRESENTED:
1. **E-Certificates** shall be given to all the participating teams in the convention.
2. Successful teams shall be adjudged as Bronze, Silver & Gold Medal award winners depending upon the marks achieved as given below
   a. 50% - less than 60%   : Bronze Medal
   b. 60% - less than 70%   : Silver Medal
   c. 70% & above   : Gold Medal
3. Overall BEST circle in both QC & Allied concepts categories, shall also be awarded Jayant Dash Memorial Trophy and given **E-Certificates**.

> GREAT THINGS IN BUSINESS ARE NEVER DONE BY ONE PERSON.
> THEY ARE DONE BY A TEAM OF PEOPLE

4. **E-Certificates** shall also be given to the winners of Essay/Slogan/Poem/SKIT/Knowledge Test/Home makers' 5S / Kaizen or Model or Kaizen display (who achieve 70% or more marks).
5. Only **Gold Award Winners** are eligible for participation in NCQC-22 this year.
6. Trophy / E-certificate shall be given to the organizations who have sent a maximum no. of teams in the CCQC-2022 in both the streams – QC & Allied concepts.
7. *A Trophy and Certificate shall be given to the Organization which has best implemented the TQM concept in the organization (achieving 70% or more marks).*

PARTICIPATION FEE:

Team Area	Annual (Rs.)	Permanent (Rs.)
1) Quality circles		
*Per Team (5Members+1Facilitator or coordinator)	**19500/- per team**	**18000/- per team**
*Per additional member	**3250/-**	**3000/-**
2)Allied concepts		
*Per team (Max. 3 Members)	**9750/-**	**9000/-**
*Per additional member	**3250/-**	**3000/-**
3)Kaizen Display Team		
*(2 members / per team)	**6500/-**	**6000/-**
4)Delegates not in any team – Per delegate	**3500/-**	**3250/-**
5)School/College/Individual Life member	**2000/- per member**	
6)MSME organization	**2000/- per member**	
7)Home Maker's 5S/Kaizen or Model display	**FREE**	
8)Organizations sending 25 teams or above**		**Rs.2000/- per member**

Please add GST 18% on the registration fee payable above

*** a separate CCQC-2022 shall be conducted in its own premises bearing the cost of food of participants hall arrangements, judges stay etc. Chapter shall provide judges, trophy, certificates, convention kits.*

Note:
1. The last date of registration is **07.09.2022**.
2. Payment through Demand Draft/at par Cheque / NEFT / RTGS should be made in favour of **Quality Circle Forum of India, Rourkela Chapter** payable at **Rourkela** and payment details E-mailed along with the duly filled in Registration form and detailed case study report in the WORD or PDF format sent through e-mail.
3. Participation shall be allowed after payment of registration fee.
4. Payment must be made within 30 days of the issue date of invoice.
5. ***Bank commission charge on registration fee, payable to QCFI Rourkela Chapter, must be borne by the participating organization.***
6. For direct remittance to the bank, the details are given hereunder :
   Bank : **UCO Bank, Sector-5, Rourkela-769 002**
   Account No. : **07120100005676**
   Type of Account : **Savings Bank A/c**
   For RTGS/NEFT Payment : **IFS Code - UCBA0000712**
   MICR Code : **769028004**
   PAN : **AAAAQ0008P**
   GSTIN : **21AAAAQ0008P1ZV**
   HSN / SAC Code : **999293**
7. All correspondence should be addressed to:
   S.C. PRASAD
   Hony. Secretary, QCFI-Rourkela Chapter
   B-56, Sector-20, Rourkela - 769 005,Dist.: Sundargarh (Odisha)
   Mobile: +91 8895501691, 9437245547, 8594939563
   E-mail:sureshc.prasad55@gmail.com / qcfi.rklchapter@gmail.com

POSITIVE PEOPLE DO NOT ONLY MAINTAIN A POSITIVE MINDSET & ATTITUDE.
BUT THEY ALSO CREATE & MAINTAIN A POSITIVE ATMOSPHERE

EVALUATION CRITERIA FOR QC / ALLIED CONCEPTS CASE STUDIES

SL. No.	Pre-Evaluation Criteria:: Quality Circles Case Study	Total Marks
1	**Identification of Problems (Unsolved>50)**	
2	**Selection of problem**	6
	A, B, C Categorization & Prioritization	
3	**Define the problem**	
	Milestone chart, Flow / Pictorial diagram of the process,	
	Description of problem with suitable diagram	
	Objectives, Goal /Target	
4	**Analysis of the Problem**	6
	Required data/verbal data for 4W+1H& its impact on Quality, Productivity, Cost etc.	
5	**Find out probable causes and root causes**	6
	Circles up to 2 years old, may use Dispersion analysis but Old circles to use other types of CED with all possible sub causes	
	With proper headers, Marking/Listing the probable root causes	
6	**Root Cause Analysis (Validation of root causes)**	3
	By using an appropriate method for validation	
7	**Data analysis**	8
	Collection of appropriate data for validated root causes and Pareto diagram	
8	**Development of solution**	8
	Min. No. of Alternate solutions developed = 5 & Validation	
9	**Foreseeing Probable resistance**	3
	Min. No. of probable resistances with solutions = 5	
10	**Trial Implementation & Check Performance**	8
	Use of PDCA, Trial implementation & Check performance	
11	**Regular Implementation**	6
	Present status, Overall gains – Tangible & Intangible	
12	**Follow up & Review**	6
	Follow-up system developed& Review results	
	Grand Total Marks	*60*

SL. No.	Evaluation criteria :: Oral Presentation for QC & Allied concepts (Including QIT)	Total Marks
1	Sequence, Clarity, Team participation, Smooth change over from one speaker to other	5
2	Communication Skills	5
3	Time Management	5
4	Special Effects	5
5	Judge's Question & Answers	10
	Total Marks	30

SL. No.	Evaluation criteria :: Quality Circles' Register	Total Marks
1	General Information	2
2	Project Information	1
3	Attendance	1
4	Meeting minutes – compare with Milestone chart of case study	3
5	Monitoring of meeting minutes (by HOD, Coordinator, Facilitator)	2
6	Special Features	1
	Total Marks	10

SL. No.	Evaluation criteria :: 5-S, Kaizen, TPM, LQC, QIT, Poka-Yoke, SMED & Benchmarking. (Circles can adopt DMAIC methodology also for all Allied concepts)	Total Marks
1	**Define the problem**	10
	Milestone chart proposed, Flow diagram/Pictorial diagram of the process,	
	Description of problem with suitable diagram, Objectives, Goals / Target	
2	**Measure (Data collection / compilation)**	15
	4W+1H / Data collection for key parameters	
	its subsequent impact on quality, productivity, cost etc.	
3	**Analyze the problem**	15
	Identification of causes, Develop suitable CED with all sub causes	
	Validation of causes, data collection, Root cause analysis	
4	**Improve (Solution Implementation)**	20
	Solution search, PDCA	
	Trial implementation, Check performance	
	Regular implementation, Performance status	
5	**Control (Gains & Standardization)**	10
	Gains – Tangible & intangible	
	Follow-up system developed – New / Updation	
	Review results	
	Total Marks	70

Note: QC Register marks not applicable for Allied concepts

SL. No.	Evaluation criteria for CCQC - 2022	Total Marks
1	Pre-evaluation of Case studies	60
2	Case study Oral presentation	30
3	QC Register marks*	10
	Total Marks	100
*	*For Allied concepts, Pre-evaluation marks = 70 and no QC register evaluation*	

QUALITY IS INCOMPLETE, WITHOUT 'U' & 'I'

CCQC - 2022

SL. No.	Evaluation criteria for six sigma Case studies for CCQC-2022	Total Marks
1	**DEFINE**	10
	Business Case/Voice of customer	
	Project charter	
	SIPOC	
2	**MEASURE**	10
	Performance measure	
	Key Process parameters	
	Key Product parameters	
3	**ANALYZE**	20
	Identification of causes/cause & effect diagram	
	Validation of causes	
	Identification of root causes	
	Data collection/Validation of root causes	
4	**IMPROVE**	20
	Creative solutions	
	Design of Experiments/Hypothesis testing	
5	**CONTROL**	10
	New/Updation of standards	
	Results/ Benefits	
	Total Marks	**70**

SL. No.	Evaluation Criteria for 5S :: CCQC-2022	Total Marks
1	**Initial efforts**	10
	5Sorganizationstructure	
	Initial photographs	
	Steps were taken in zone/sub-zonebeforegoingfor1S	
2	**Activities of housekeeping**	15
	Implementationof1stS	
	Implementationof2ndS	
	Implementationof3rdS	
3	**Implementation of 4th S**	10
	Development of standard practices	
	Follow-up of standard practices	
4	**Audit system**	10
	Self Audit system	
	Management Audit system	
5	**Status of 5S Implementation**	15
	Before/After Photographs	
	Tangible/Intangible gains	
	Status of Jagruti groups	
	Status of 5S home	
6	**Follow up and Review system**	10
	Management actions for sustenance & growth of 5S	
	Special activities	
	Total Marks	**70**

"CREATIVITY COMES FROM THE CONFLICT OF IDEAS"

Please note:

** *In case a team has taken up any specific problem on 5S, they need to follow DMAIC methodology and evaluation will be done accordingly.*

** *But if a team is from already 5S implemented unit/zone/sub-zone, they need to follow the procedure as given above and evaluated accordingly.*

** *If any QC team has taken up the pure safety problem, it shall be evaluated as per QC.*

** *But if it is a pure Lean Safety circle and taken up safety problem, it shall be evaluated as per allied concepts e.g. Kaizen.*

Evaluation Criteria for Kaizen Display – Case study report

Sl. No.	Criteria	Max Marks
1	Productivity, Quality, Cost, Delivery, Safety, Morale, Environment (PQCDSME)	05
2	Title of Kaizen with clarity and in brief	05
3	Clarity about the problem faced (unsafe, high downtime, any kind of loss, high cost etc.) with brief description	10
4	Impact (rejection, complaints, high failures, low production, unpleasant environment etc.)	05
5	Status (Before Study) – give data, graphs, photos etc.	05
6	Status (After Study) - give data, graphs, photo etc.	05
7	Approach for analysis / solution / implementation	05
8	Gain – Tangible, Intangible	05
9	Standardization, Follow up	05
	Total Marks	**50**

Evaluation Criteria for Kaizen Display – Case study display

	Criteria	Max Marks
1	Description of Kaizen	10
2	Clarity (Impact – loss, inconvenience etc.)	10
3	Communication skills, confidence, team spirit	10
4	Gain – tangible, intangible	10
5	Q & A by Judge	10
	Total Marks	**50**

TENTATIVE PROGRAM SCHEDULE
30TH Chapter Convention on Quality Concepts
Date : 24th & 25th September 2022
Venue : RIMS, Chhend, Rourkela-769015

24.09.2022 / SATURDAY	
TIME	**PROGRAM**
14.00 – 17.00 Hrs.	Convention Registration
17.00 – 18.00 Hrs.	Knowledge Test / Model or Kaizen display / Home maker's 5S / Kaizen presentation
18.00 – 19.00 Hrs.	Award distribution for Essay/Slogan/Poem/SKIT/Model display/Kaizen display competition
19.00 – 20.00 Hrs.	Inauguration
20.00 – 21.00 Hrs.	Cultural Program
21.00 Hrs. onwards	Convention Dinner

25.09.2022 / SUNDAY	
TIME	**PROGRAM**
09.00 – 13.00 Hrs.	Case study presentation
13.00 – 14.00 Hrs.	Lunch
14.00 – 16.00 Hrs.	Case study presentation
16.00 – 16.30 Hrs.	Judges time
16.30 – 18.00 Hrs.	Valediction
18.00 Hrs.	Evening tea / Snack packet

TALENT WINS GAMES, BUT TEAM AND INTELLIGENT WIN CHAMPIONSHIP