



CHAPTER CONVENTION ON QUALITY CONCEPTS-2024

THEME: INVESTING IN PEOPLE, BUILDING A BETTER FUTURE.

Organized by
Quality Circle Forum of India
Bhubaneswar Chapter
in association with Silicon University

On 28th and 29th September 2024

Venue:
Silicon University,
near DLF cybercity
Silicon hills, Patia,
Bhubaneswar





INVITATION



Dear All,

I take this opportunity to thank every individual for supporting QCFI Bhubaneswar Chapter in driving quality initiatives in Odisha. Owing to our commitment towards total quality management and reach to the quality oriented members & organizations, we have been adjudged as the **2nd Best chapter** in National Convention on Quality Concepts 2023.

On behalf of Quality Circle forum of India Bhubaneswar, I would like to invite all quality fraternity members to the 6th Chapter convention on Quality Concepts. CCQC 2024, being organized in physical mode, on 28th and 29th September 2024 at Silicon university, near DLF cybercity Info city, Bhubaneswar. The Quality Circle Convention would serve as a platform for sharing knowledge, experiences, and best practices in quality improvement. We aim to foster a culture of continuous improvement and collaborative problem-solving within organizations. Your participation will not only contribute to the success of the convention but also provide valuable insights and inspiration for all quality aspirants.

This year the Convention theme is “ **Investing in people, Building a better future.**”. Last year our Chapter Convention organized in physical mode was appreciated immensely by all member organizations which witnessed a record breaking participation of 188 teams from across 30 organizations of repute.

The schedule of the Physical Convention and evaluation criteria are given in this brochure. The convention provides immense opportunity to learn and showcase your achievements.

We look forward to welcoming you to an inspiring and impactful convention. we are excited to gather industry leaders, professionals, and enthusiasts to celebrate and advance the practice of quality circles.

S.S Mohanty
Chairman
QCFI Bhubaneswar



2nd Best Chapter Award 2023

Pg 1



IN ASSOCIATION WITH OUR PARTNER- SILICON UNIVERSITY

Silicon Tech, the engineering institute of Silicon University, is a thriving ecosystem of learning, innovation, and research. More than 2500 undergraduate and postgraduate students gain skills to invent, start a business, or take on tech-leadership roles. Since its inception in 2001, Silicon has embraced modern technology and innovative techniques to evolve its ecosystem.

Silicon has won numerous awards for its distinguished contributions in the field of education, research and entrepreneurship. It has been accredited by NAAC with a Grade A and has NBA accreditation for three UG programs of CSE, EEE, and ECE. Silicon has been ranked in the top 200 Engineering Institutes in India for three consecutive years by NIRF, with a latest rank of 161.

It has been placed under 'Band 151-130' in NIRF (Innovation) 2024 rankings for innovation and entrepreneurship development, by the MoE, Govt of India. Startup Odisha has recognized Silicon as an "Incubator". Silicon has an outstanding placement record with more than 75% of the students getting placed every year in product development, manufacturing, and IT services based companies. 50% of the placed students get intern-to-job offers under the Practice School program in the final year.





OBJECTIVE OF CCQC-2024



WHO SHOULD PARTICIPATE?

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





DETAILS OF EVENTS

1. CASE STUDY PRESENTATION

Case studies nominated by various organizations will be considered in CCQC-2024. Those case studies which will be adjudged as gold award winners can further participate in NCQC-2024 scheduled to be held at Gwalior. However case study report to be sent in soft copy through mail for pre-evaluation. Participating circles need to bring presentation slides in ppt at the time of convention

Online presentation will not be allowed. The official language of presentation shall be English, Hindi or Odia. The marking criteria would be different for different concepts.

NOTE:

In order to support green initiative, QCFCI, Bhubaneswar chapter has decided to stop receiving hard copies of case studies for pre-evaluation. Interested teams are requested to email the case studies to Mr. Ram Shankar Das (ramkgp83@gmail.com) and Mr. Bibhudutta Mishra (bibhu.90@gmail.com).

Other option is to send through CD's/Pendrive/Drive links. The size of case study PDF should be below 25 MB



DETAILS OF EVENTS



**CASE STUDY PRESENTATION WILL BE
IN THE FOLLOWING CATEGORY**

A) QUALITY CIRCLE CONCEPTS

B) ALLIED QUALITY CONCEPTS LIKE

- FIVE-S,
- KAIZEN
- QUALITY IMPROVEMENT TEAM(QIT),
- POKA YOKE CONCEPT,
- SMED (SINGLE MINUTE EXCHANGE OF DIES),
- TPM CIRCLE,
- LEAN QUALITY CIRCLE(LQC)
- SAFETY CIRCLE,
- WCM CIRCLE,
- SIX SIGMA CONCEPT,
- HEALTH, SAFETY & ENVIRONMENT (HSE),
- HR CASE STUDY AND ANY TEAM CONCEPT

**ALL CASE STUDIES TO BE
RECEIVED BY
10th SEPTEMBER 2024
FOR PREVALUATION**





DETAILS OF EVENTS

2 . KNOWLEDGE TEST

FOR QUALITY CIRCLE, FIVE-S, LEAN QUALITY CIRCLES AND TEAMS OF ALLIED CONCEPTS KT(KNOWLEDGE TEST) IS COMPULSORY FOR THIS CONVENTION (AS IT IS MANDATORY FOR NCQC AND CARRIES 50 MARKS IN THE EVALUATION CRITERIA).

KNOWLEDGE TEST PAPER COMPRISES OF 25 OBJECTIVE TYPE QUESTIONS, TOTAL 50 MARKS FOR DURATION OF 20 MINUTES. PLEASE NOTE THAT THE MARKS OF KNOWLEDGE TEST WILL NOT BE ADDED WHILE WORKING OUT THE RESULTS. HOWEVER THE MARKS WOULD BE INTIMATED TO THE MANAGEMENT TEAM/FACILITATOR OF THE ORGANISATION FOR IMPROVEMENT

KEY HIGHLIGHTS

THE QUALITY CIRCLES PARTICIPATING FOR THE FIRST TIME IN QCFI, BHUBANESWAR CONVENTION ON QUALITY CONCEPTS HAVE TO INDICATE THE SAME IN THEIR INTRODUCTORY SLIDE AS WELL AS REGISTRATION FORM.

THE BEST QC/ALLIED CASE STUDY PRESENTATION OUT OF FIRST TIME PRESENTATIONS WILL BE AWARDED "NAVJYOTI TROPHY".

THE BEST PERFORMING TEAM UNDER EACH CATEGORY IN KNOWLEDGE TEST WOULD BE GIVEN THE "GYANDHARA TROPHY"

THE BEST TEAM OF THE CONVENTION WOULD BE AWARDED "QUALITY SHRESTHA AWARD" FOR QC & ALLIED CONCEPT

3. POSTERS,ESSAY, SLOGANS & POEM COMPETITION

CONVENTION THEME WILL BE THE TOPIC FOR THE POSTERS,ESSAY, SLOGAN AND POEM COMPETITION AND LANGUAGE MAY BE IN HINDI/ENGLISH. MAXIMUM WORD LIMIT FOR ESSAY IS 500 WORDS.

QC & ALLIED MEMBERS CAN PARTICIPATE IN POSTERS/ SLOGAN AND POEM CONTEST SELECTION WILL BE AT THE SOLE DISCRETION OF EVALUATION COMMITTEE AND THEIR DECISION WILL BE FINAL.



DETAILS OF EVENTS



4. HOME KAIZEN & HOME 5S

TO ENCOURAGE QCFI MEMBERS, HOMEMAKERS, MEMBERS FROM EDUCATIONAL INSTITUTES WE HAVE INTRODUCED HOME KAIZEN, SCHOOL KAIZENS, SOCIETY KAIZENS AND HOME 5S/SOCIETY 5S THIS TIME IN THE CONVENTION TO ENABLE MEMBERS TO PARTICIPATE AS INDIVIDUALS /OR IN TEAMS (MAXIMUM TEAM SIZE OF 2 MEMBERS).

THIS KAIZEN OR 5S PROJECTS MAY FOCUS ON AREAS OF RESIDENCE, APARTMENTS, SCHOOL, LIBRARY ROOM, CLASSROOM, COMMON AREAS LIKE GARDENS, PARKS, TOILETS, CANTEEN ETC. EVALUATION SHALL BE DONE BASED ON MAXIMUM TWO PAGES DESCRIPTION CONSISTING OF PROBLEM, ROOT CAUSE, SOLUTION IMPLEMENTED, BEFORE AND AFTER PHOTOS, RESULT AND STANDARDIZATION. THE DETAILS NEED TO BE SENT TO MR.BIBHUDUTTA MISHRA(BIBHU.90@GMAIL.COM) BY 23RD AUGUST 2024 .

THE PARTICIPANTS WILL BE PRESENTED CERTIFICATES AND RECOGNIZED SUITABLY. TO ENCOURAGE PARTICIPATION FROM SCHOOLS AND COLLEGES DISCOUNTED PARTICIPATION FEE IS APPLICABLE.

**Entries for poem,
essay , slogan, poster
and Home kaizen / 5S
to be sent by 23rd
August 2024**





DETAILS OF EVENTS



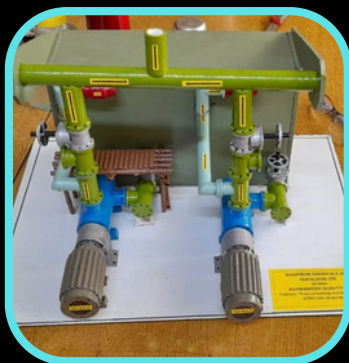
5. MODEL COMPETITIONS

THE OBJECTIVE OF THE MODEL PRESENTATION COMPETITION IS TO RECOGNIZE THE CREATIVITY, SKILL, ENTHUSIASM AND EFFORTS OF QUALITY CIRCLES AND ALLIED QUALITY CONCEPT TEAMS TO DISPLAY THE IMPROVEMENT/SOLUTION FOR EASE OF UNDERSTANDING. THIS COMPETITION IS FREE OF PARTICIPATION FEE AND WILL BE OPEN FOR ALL TEAMS PRESENTING CASE STUDIES ON ANY QUALITY CONCEPT INCLUDING QUALITY CIRCLE.

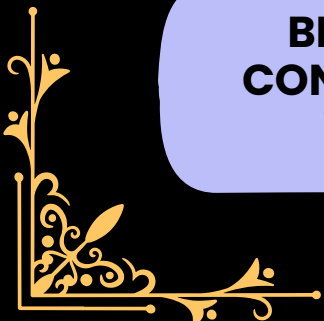
THE TEAM DESIROUS OF PARTICIPATING IN THIS COMPETITION SHOULD INDICATE THE SAME WHILE SENDING THEIR ENTRY VIDE REGISTRATION FORM FOR THE CONVENTION OF THE CHAPTER. ADVANCED INFORMATION IS REQUIRED BY **23rd AUGUST 2024** TO PROVIDE ESSENTIAL FACILITIES. THE MODEL SHOULD BE RELEVANT TO THEIR CASE STUDY TO BE PRESENTED AT CCQC-2024.

THE MODELS SHOULD BE DESIGNED AND MADE BY TEAM MEMBERS THEMSELVES AND NOT BOUGHT OUT FROM PROFESSIONALS. A SEPARATE LOCATION SHALL BE PROVIDED FOR DISPLAY OF ALL MODELS ON THE **29TH SEPTEMBER 2023** AT LEAST TWO MEMBERS SHOULD BE PRESENT TO EXPLAIN THE MODEL.

A SIGN BOARD / BANNER SHOULD BE DISPLAYED SHOWING THE TEAM NAME, ORGANIZATION NAME AND THE THEME OF THE PROJECT.



BEST THREE MODELS WILL BE AWARDED IN THE CONVENTION AND ALL THE PARTICIPATING TEAMS WOULD GET PARTICIPATION CERTIFICATES





EVALUATION CRITERIA

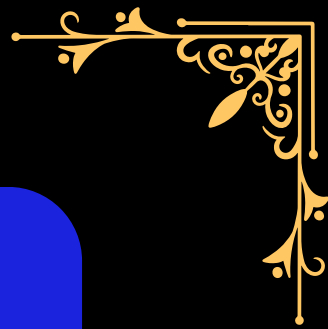
SI No	Evaluation criteria for CCQC - 2024	QC CIRCLE	ALLIED CIRCLE
1	Prevaluation of case study	60	70
2	QC Register	10	NA
3	Case study Presentation	30	30
	TOTAL MARKS	100	100

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



EVALUATION CRITERIA



MODEL EVALUATION CRITERIA		
• RELEVANCE WITH PROJECT PRESENTED	-	5 MARKS
• CREATIVITY, DESIGN & DISPLAY	-	20 MARKS
• USE OF SCRAP FOR MODEL CREATION	-	5 MARKS
• SKILL IN EXPLAINING	-	10 MARKS
• MOVING/DYNAMIC MODEL	-	10 MARKS
TOTAL	-	50 MARKS

SL. No.	Pre-Evaluation Criteria:: Quality Circles Case Study	Total Marks
1	Identification of Problems (Unsolved>50)	6
2	Selection of problem 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	6
4	Analysis of the Problem Required data / verbal data for 4W+1H & its impact on Quality, Productivity, Cost etc.	
5	Find out probable causes and root causes 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	3
6	Root Cause Analysis (Validation of root causes) By using an appropriate method for validation	
7	Data analysis Collection of appropriate data for validated root causes and Pareto diagram	8
8	Development of solution Min. No. of Alternate solutions developed = 5 & Validation	8
9	Foreseeing Probable resistance Min. No. of probable resistances with solutions = 5	3
10	Trial Implementation & Check Performance Use of PDCA, Trial implementation & Check performance	8
11	Regular Implementation Present status, Overall gains – Tangible & Intangible	6
12	Follow up & Review Follow-up system developed & Review results	6
	Grand Total Marks	60

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





EVALUATION CRITERIA



SL. No.	Evaluation criteria for Six sigma Case studies	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 / C&E 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	Total Marks
1	Initial efforts	10
	5S organization structure	
	Initial photographs Steps were taken in zone / sub-zone before going for 1S	
2	Activities of Housekeeping	15
	Implementation of 1 st S	
	Implementation of 2 nd S Implementation of 3 rd S	
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





EVALUATION CRITERIA

Evaluation Criteria for Safety Circle

Steps	Description	Max Marks(70)	
		Case 1 (Hazard/UA/UC)	Case 2(INCIDENT)
Step 1	Identification of problem(Every hazard identified will get 0.5 marks)Unsafe act and condition reported should be supported with before and after photographs	15	15
Step 2(Define)	Defining the problem	10	10
	Team formation and incident reporting	2	2
	Use of risk rating matrix for selection of problem	4	4
	Gant chart or milestone chart	2	2
	Define the problem with the help of flow diagram	2	2
Step 3(Measure)	Measure by ascertain the facts(Human Physical and systemic) and 4W+1H	10	12
	a) Physical	2	2
	b) Human	2	2
	c) Systemic	2	2
	d) Approach for accertaining facts	1	1
	e) 4W+1H	3	3
	F) Develop the chronology	0	2
Step 4(Analyze)	Why-Why analysis	20	20
	a) Physical	5	5
	b)Human	5	5
	c) Systemic	5	5
	Approach and logic to find the root cause (systemic) with the help of tree diagram and fish bone diagram	2	2
	Validation of root cause	2	2
	Identify gap in the system	1	1
Step 5(IMprove)	Developing solution and Recommendation	8	6
Step 6(IMprove)	Record and communicate (After approval grant)	2	2
Step 7 (Improve +Control)	Implement and review	4	4
	a) use of PDCA cycle	2	2
	b) Comparative milestone chart	1	1
	c) Use of check sheet with responsibility	1	1
Step 8	Tangible and intangible gain	1	1
Full Marks		70	70



FEE STRUCTURE

SI No	Team categories	Permanent Members	Annual Members
1	Quality Circles		
	*Per team(5 Members+1 Facilitator/coordinator)	INR 21000/-per team	INR 24000/- per team
	*Per additional member	INR 3500/-	INR 4000
2	Allied Concepts		
	* Per team(max 3 members)	INR 10500/- per team	INR 12000/-per team
3	Delegates(not participating in any team)		
	Per delegate	INR 3500/-	INR 4000
4	School/College/Life member	INR 500/- per member	
5	MSME organisations	INR 2000 per member	
6	Home makers 5S /kaizen and Model Display	Free	
Please add GST 18% on the registration fee payable			

1. The last date of registration is **20.09.2024**. Organizations are requested to participate with good number of teams to avail discount on participation of 10 or more teams. The discount scheme which will be elaborated in the invitation mail.

2. Payment through Demand Draft / at par Cheque / NEFT / RTGS should be made in favour of " **Quality Circle Forum of India, BHUBANESWAR Chapter** " payable at BHUBANESWAR and payment details Emailed 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 the e-invoice.

5. Once e-invoice (on-line invoice) is raised, it shall not be changed. Please ensure the no. of teams /no. of participants mentioned is correct before sending. It is very important.

6. Payment may also be made online. Scan copy of payment made, to be shared on email-ramkgp83@gmail.com

7. Bank Details:

Name of the Bank: – State Bank of India (IDCO Tower Branch, Bhubaneswar)

Account No.- 37839663155

IFSC /RTGS code: – SBIN0007891

PAN: – AAAAQ0008P

GSTIN: – 21AAAAQ0008P2ZU



GENERAL INFORMATION

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

- a. 55% - less than 65% : Bronze award
- b. 65% - less than 75% : Silver award
- c. 75% & above : Gold award



3. The best QC Case Study presentation out of First Time Presentations will be awarded "NAVJYOTI TROPHY".

4. The best PERFORMING team in knowledge test would be given the "GYANDHARA TROPHY"

5. The BEST TEAM OF THE CONVENTION WOULD BE AWARDED " QUALITY SHRESTHA AWARD" for QC & allied concept.

6. E-Certificates shall be given to the winners of Essay/Slogan/Poem/SKIT/Knowledge Test/Home makers' 5S / Kaizen or Model or Kaizen display (who score 70% or more marks).

AWAITING YOUR PRESENCE

OVERALL COORDINATION

MR. RAM SHANKAR DAS
PHONE: +91-9348665311, 9437069347 (M)
EMAIL-RAMKGP83@GMAIL.COM



FINANCE:

MR. S C SAMAL, TREASURER
PHONE :+91- 94370 25766,

REGISTRATION OF TEAMS & CASE STUDIES/ RECORDS/POEM/ESSAY/SLOGAN/ POSTER/MODEL COMPETITION/KAIZEN COMPETITION

MR. BIBHUDUTTA MISHRA
CONTACT +91-9437314864(R)/9938250053(O)
BIBHU.90@GMAIL.COM

EVENT MANAGEMENT OVERALL PLANNING

MR. SATYAWAN NAYAK & MS. NISHU MISHRA
CONTACT NO-+91-8770167680 & 9937587079

HEAD OF ADMIN SUPPORT

DR. SANJIT SWAIN - SILICON UNIVERSITY
CONTACT NO-9437284114

SCHEDULE

Day 1: 28.09.2024

(Saturday-3:00PM to 6:00PM) Registration and presentation as per Day 1 Schedule.

Day 2: 29.09.2024

(Sunday-8:30am to 6:30 PM) Inauguration, declaration of Day 1 result, continuation of presentation as per day 2 schedule and Valedictory session

FOR ALL ENQUIRIES CONNECTED WITH CASE STUDY SUBMISSION AND PARTICIPATION, PLEASE CONTACT

QUALITY CIRCLE FORUM OF INDIA, BHUBANESWAR

MR. R.S.DAS SECRETARY, QCFI, BHUBANESWAR

PHONE: 9348665311, 9437069347 (M)

WELCOME TO ODISHA



JAGANATH PURI DHAM, 69.4 kms from Silicon



KHANDAGIRI & UDAYGIRI CAVES, 16 kms from Silicon



LINGARAJ TEMPLE, 16.1 kms from Silicon



DHAULI SHANTI STUPA, 22.1 kms from Silicon



SUN TEMPLE KONARK, 74.6 kms from Silicon



REGIONAL MUSEUM, 8.6 kms from Silicon



PATHANI SAMANTA PLANETARIUM, 8.7 kms from Silicon



WONDERLA AMUSEMENT PARK, 35.7 kms from Silicon