QUALITY CIRCLE: A Best Practice at RIT

2024-25

A quality circle is a volunteer group composed of faculty members, who are trained to identify, analyze, and solve work-related problems and present their solutions to the management to improve the performance of the organization.

Rajarambapu Institute of Technology (R.I.T.), Islampur, Maharashtra, India is successfully implementing this activity. As a part of the quality circle, all the departments in the institute participate in this activity. The activity starts in the first week of the academic year with group formation and ends in May with final presentations and evaluation of the groups. Faculty members identify work-related problems, solve the problem as per the 12-step quality circle methodology, and develop as well as implement the solutions to contribute to academic empowerment.

This activity is a unique feature of the institute and it has shown useful results in terms of solutions to several problems that have been addressed so far. Some of the problems (Table 1) are listed below giving an idea about the contribution of the activity to improvement in teaching-learning.

Table 1: Problems solved under Quality Circle for the academic year 2024-25

Sr. No.	Title of the Problem
1	Enhancing AI Awareness and Industry readiness among students
2	Strengthening Academic Project Outcome through Quality Circle Interventions
3	Digital solution for a better tomorrow(SDG Aligned Client website Project)
4	Building a Startup Ecosystem in the IT Department
5	Improving GATE Qualification Count through Quality Circle Approach
6	Integration Research and Industry Practice in Undergraduate Students
7	Enhancing Placement of Students at Mechanical Engineering Department in Core Companies
8	Ineffective Technical Consultancy for Industries through Engineering Institutes due to persistent Communication Gaps and Misaligned Expectations
9	Improving Engagement of MBA Students in Experiential Learning Activities
10	Lack of Industry collaboration and connect in the newly formed Robotics and Automation Department
11	Research performance and management of Sciences and Humanities Department

Achievements of Quality Circle

The institute is a regular member of the Quality Circle Forum of India (QCFI), Secunderabad and takes part in competitions organized by it at chapter and national level every year. The following Table No 2 shows the awards received in various conventions for the academic year 2024-25.

Table 2
Achievements of Quality Circle

Sr. No.	Name of Circle	Program and award received	Team Members	Case Study Title
38th National Convention on Quality Concepts (NCQC 2024), hosted by **QCFI at ABV-IIITM Gwalior** from 27th to 30th December 2024.				
1	**ELITE**	EXCELLENT Mechanical Engineering Department (Diploma)	Prof. Jayant J Pharne / Prof. Amey Gaurvadkar / Prof. Vinay B. Choudhari / Prof. Randhir Y. Chavan / Prof. Ansar Mulla / Prof. Swapnil H. Patil	Inadequate Student engagement in experiential learning
2	CATALYST	**DISTINGUSIH** Computer Science and Information Technology Department	Prof. Ms. Pragati T. Sawant / Prof Mrs. S.P. Patil / Dr. V.H. Kalmani / Prof Mrs. J.A. Patil / Prof. Mrs. P.N. Jadhav	Inculcate research culture in the information technology department
3	**RAJAT**	**DISTINGUSIH** Mechatronics Engineering Department	Prof. Akshay Kulkarni / Dr. Vaibhav Ganachari / Prof. Amol Chavan / Dr. Pankaj Gawali / Prof. Juber Mulla	Avoiding Misalignments in Institute- Industry Collaborations: A guide to Effective Consultancy
39th Annual Chapter Convention CCQC 2024, at Quality Circle Forum of India, Pune chapter which was held on 20th September 2024				
1	**ELITE**	GOLD AWARD Mechanical Engineering Department (Diploma)	Prof. Jayant J Pharne / Prof. Amey Gaurvadkar / Prof. Vinay B. Choudhari / Prof. Randhir Y. Chavan / Prof. Ansar Mulla / Prof. Swapnil H. Patil	Inadequate Student engagement in experiential learning
2	CATALYST	GOLD AWARD Computer Science and Information Technology Department	Prof. Ms. Pragati T. Sawant / Prof Mrs. S.P. Patil / Dr. V.H. Kalmani / Prof Mrs. J.A. Patil / Prof. Mrs. P.N. Jadhav	Inculcate research culture in the information technology department

3	**RAJAT**	GOLD AWARD Mechatronics Engineering Department	Prof. Akshay Kulkarni	Avoiding Misalignments in Institute- Industry Collaborations: A guide to Effective Consultancy
			Dr. Vaibhav Ganachari	
			Prof. Amol Chavan	
			Dr. Pankaj Gawali	
			Prof. Juber Mulla	

Outcomes Achieved:

- This kind of activity allows the faculty members to work together, work collaboratively towards a common goal, and understand the systematic methodology for problem-solving.
- Be recognized at the institute; state, national, and international levels organized by Quality Circle Forum of India (QCFI) and gives them a chance to experience the joy of learning.
- Increased success of students in technical competitive examinations/events.
- Increased Industry Institute Interaction

Mrs. S.N. Patil
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Director

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Photos 2024-25

Photo no. 1 Final Presentation, 29th August 2025

Photo no.2 Team Presenting case study, 29th August 2025

Photo no.3 GOLD Award for Catalyst, Rajat and Elite team in the 39th Chapter Convention on Quality Circle (CCQC) 2025, at Quality Circle Forum of India, Pune chapter which was held on 20th September 2024.

Photo no.4 DISTINGUISH AWARD for CATALYST and RAJAT team in the 38th National Convention on Quality Concepts (NCQC 2024), hosted by ABV-IIITM, Gwalior in December, 2024.

Photo no.5 EXCELLENT AWARD for ELITE team in the 38th National Convention on Quality Concepts (NCQC 2024), hosted by ABV-IIITM, Gwalior in December, 2024.
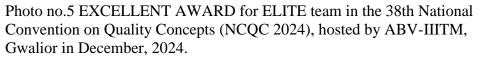

Photo no.6 Congratulation of team member by Hon. Director Dr. P.V. Kadole.