One Day Workshop
on
Root Cause Analysis (RCA)

Jointly organized by

In association with

Day/Date: **12th July 2024/Friday**

Expert: **Shri N C Sharma, Prof. of Practice Ahmedabad University, Ex-HAL, TVS & TAML**

Venue: **ATIRA, Ahmedabad**

Registration Fees: **₹ 2360.00 (₹ 2000+18% GST)**
(Registration fees included Tea, lunch and soft copy study material)

Registration Link: **https://forms.gle/9ut6hSNtkMv4oqed6**

Bank Details for NEFT/RTGS				**For UPI payment**
Account holder's name	:	Ahmedabad Textile Industry's Research Association	**or**	ATIRA +91 79905 90718 7990590718@okbizaxis BHIM UPI
Bank name	:	Kotak Mahindra Bank Limited		
Branch name and address	:	Satellite Branch Shop No. 6 - 7, Shidhivinayak Complex, Shivranjini Char Rasta, Satellite, Gujarat, India		
Type of account	:	Savings Account		
Account number	:	7212148230		
RTGS/NEFT IFSC Code	:	KKBK0000810		

Root Cause Analysis (RCA) Workshop Brief

Root Cause Analysis (RCA) has evolved from ancient philosophical concept to a sophisticated, integral part of modern quality management, safety investigation, and problem-solving methodologies. It has been shaped by contributions from various fields, including industrial engineering, quality management, production processes, and continues to adapt to the needs of contemporary organizations and technological advancements.

RCA is essential for organizations and professionals aiming to improve problem-solving capabilities, enhance performance, and prevent recurring issues.

In the context of composite materials, RCA plays a crucial role due to the complex nature of these materials and the critical applications they often serve in industries such as aerospace, automotive, construction, and marine.

Composite materials are engineered from two or more constituent materials with significantly different physical or chemical properties. When combined, they produce a material with characteristics different from the individual components. The complexity of composites arises from their heterogeneous nature, the interaction between their constituents, and the manufacturing processes involved. These factors make RCA an essential tool for maintaining quality, performance, and safety.

Importance of RCA in Composites

- Ensuring Structural Integrity
- Enhancing Performance
- Cost Reduction
- Compliance with Standards
- Innovation and Improvement

RCA Workshop highlights

- ✓ Basics of RCA
- ✓ Guidelines to implement RCA
- ✓ Advantages and limitations.
- ✓ How RCA is different than FMEA ?
- ✓ RCA methodology including When?, Why ?, Who ? and How ?
- ✓ 7 - Steps solution using RCA
- ✓ Quality Control Tools used for RCA
- ✓ Cause and Effect Diagram
- ✓ Approach of Cross Functional Team (CFT) in problem solving.

- ✓ Presentation of QC Story
- ✓ Hands-on experience of identifying and solving the problems

Q&A and Conclusion

- ✓ Open forum for questions and clarifications
- ✓ Summary of key takeaways from the training
- ✓ Next steps: Follow-up support, resources, and further learning opportunities
- ✓ Feedback collection from participants for continuous improvement

Special note: 10% discount in registration fees for two participants from the same organization and a 20% discount for three or more participants from the same organization.

For further query please write to us on: composites-research@atira.in

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