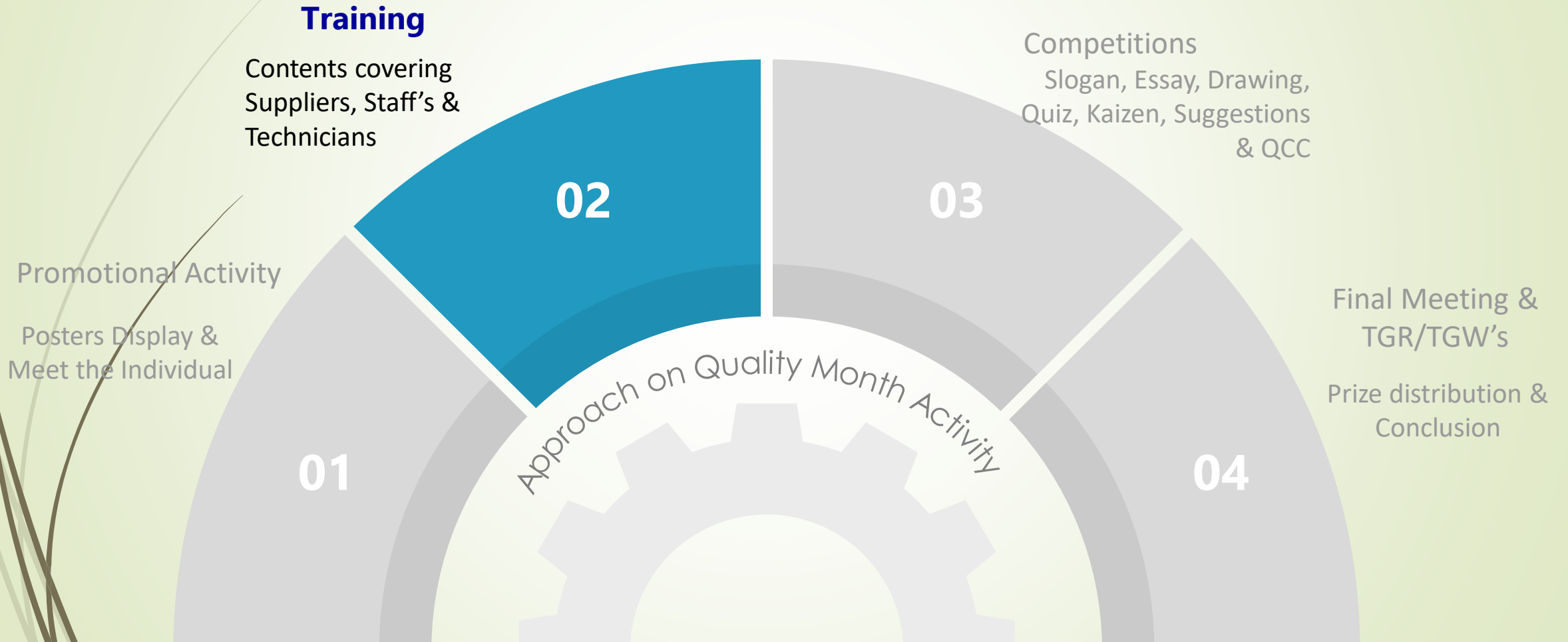


## 2. Training



# Categories of Quality Month activities

## 2.1 Training for Supplier Partner's

**Topic** : Abnormality Handling, 4M Change & 8D

**Trainer** : Mr S.Suresh

**Objective** : Strengthen the knowledge

**No. of Participants** : 21 Persons from 14 Suppliers  
(Rings, OCF & Pins)

**Training Photo**



**Attendance**

**Training Evaluation**

Supplier's Training Attendance sheet

Plant: IP Rings OCF Year: 2024 DATE: 05/11/2024

Training Title: Abnormality Handling, 4M Change & 8D Report Preparation

Sl.No	Supplier/Company Name	Participant Name	Department	Signature	Remarks
1	Alkanti	P. Thiruvananthapuram	Quality	P.P.	
2	TITA	K. Rajivraj	Production		
3	Mano's	S. Ganesan	Quality		
4	Indix	P. Lakshmi Kumar	Production		
5	Chellamangala	D. Lakshmi	Quality		
6	TPL-PMU	P. Sankar	Quality		
7	TPL-PMU	E. Suresh	PM-Engineering		
8	Santhosh	A. Anand	Production		
9	Geetha	P. Suresh	Quality		
10	Geetha	P. Suresh	Quality		
11	Alkanti	A. Anand	Quality		
12	Alkanti	A. Anand	Quality		
13	S. Suresh	V. Suresh	Quality		
14	+	V. Suresh	MFG		
15	Reliance	V. Suresh	Quality		
16	+	M. Suresh	Production		
17	Geetha	K. Suresh	Quality		
18	Geetha	K. Suresh	Production		
19	TPL-Indians	D. Suresh	Quality		
20	INDS ENGINEER	G. Suresh	Production		
21	+	V. Suresh	Quality		
22	+	V. Suresh	Quality		

TOPIC: ABNORMALITY HANDLING

PRE-TEST / POST-TEST

Faculty: S. Suresh

Put the Answer on respective test box

Q.No	Pre-Test	Post-Test
1	72%	85%
2	72%	85%
3	72%	85%
4	72%	85%
5	72%	85%
6	72%	85%
7	72%	85%
8	72%	85%
9	72%	85%
10	72%	85%
11	72%	85%
12	72%	85%
13	72%	85%
14	72%	85%
15	72%	85%

❖ Training program conducted for Abnormality Handling, 4M Change & 8D topic and Pre-test/Post-test Conducted to measure the improvement in knowledge level and **improved from 72% to 85%**



## 2.3 Training for Engineers

**Topic** : Statistical Process Control

**Trainer** : Mr M.Thirunavukkarasu

**Objective** : Strengthen the knowledge

**No. of Participants** : 15 Participants

**Training Photo**



**Attendance**

IPR/TAS/24-25/001

Training Attendance Sheet				
Training Topic:- STATISTICAL PROCESS CONTROL (SPC)				
Date:- 12 Nov 2024				
Time:- 11.00 AM				
Venue:- J-HALL				
Name of the Trainer:- MR. THIRUNAVUKKARASU				
S. NO.	Emp ID No.	Name	Department	Signature
1	26433	G. Pratheesh	Proc-Proc	[Signature]
2	38003	A. Anandharaman	Training	[Signature]
3	26456	Ramesh G	Quality	[Signature]
4	26416	E. Kanna	Proc-Production	[Signature]
5	26469	Jeeva	Proc-Production	[Signature]
6	26463	M. Ajay Suresh	Proc-Production	[Signature]
7	26431	R. Sathish	Proc-Production	[Signature]
8	26081	S. Prayanshu	OCF - Eggs	[Signature]
9	26453	M. Anuraj Prakash	OCF - Eggs	[Signature]
10	26499	N. VINESH	OCF - Protein	[Signature]
11	26350	M. Mathan	OCF - Quality	[Signature]
12	2127	M. Lakshmi	OCF - Eggs	[Signature]
13	2138	R. Praveen	IPR - RMI	[Signature]
14	7704	V. Mahesh	IPR - RMI	[Signature]
15	26414	D.J. Chakraborty	Proc-Production	[Signature]

**Training Evaluation**

IP RINGS		TOPIC : STATISTICAL PROCESS CONTROL - PRE-TEST/POST-TEST	Date: 12-11-2024
Name: THIRUNAVUKKARASU			
Emp ID: 26433			
Pre-Test	Post-Test		
1. What is the primary purpose of SPC?			
1. A) Increase production speed	2. B) Monitor and control process variability	C	C
3. C) Reduce production costs	4. D) Improve employee satisfaction		
2. Which of the following charts is most commonly used in SPC to monitor the average of a process?			
1. P-chart	2. R-chart		C
3. X-bar chart	4. I-MR chart		
3. In SPC, what does the acronym "CPK" stand for?			
1. A) Customer Process Knowledge	2. B) Process Capability Index	C	C
3. C) Control Process Error	4. D) Capacity Performance Knowledge		
4. Which of the following is NOT a type of control chart used in SPC?			
1. A) X-bar chart	2. R-chart		D
3. P-chart	4. I-MR chart		
5. What does a point outside the control limits on a control chart indicate?			
1. A) Random variation	2. B) Normal process behavior	B	B
3. C) Special cause variation	4. D) Increased production		
6. What is the purpose of using control limits in SPC?			
1. A) To specify customer requirements	2. B) To determine the production schedule	A	A
3. C) To distinguish between common cause and special cause variation	4. D) To ensure employee performance		
7. Which of the following is considered a "special cause" variation?			
1. A) Fluctuation due to random noise	2. B) Consistent low material quality		A
3. C) Natural variation in the process	4. D) Changes in temperature and humidity within controlled limits		
8. What is the typical confidence level used for setting control limits in SPC?			
1. A) 95.7%	2. B) 99.7%		A
3. C) 99.9%	4. D) 99.99%		
9. What does the term "Defective" refer to?			
1. A) A single non-conformance within a product	2. B) A product containing one or more defects, rendering it unusable		B
3. C) An entire batch that passes inspection	4. D) A product that has minor deviations but is still functional		
10. In an inspection process, a product with 3 defects is accepted as 3 defectives.			
1. A) TRUE	2. B) FALSE		B
		Total Mark Obtained	4/6

❖ Training program conducted for SPC topic and Pre-test/Post-test Conducted to measure the improvement in knowledge level and **improved from 40% to 60%**

# Categories of Quality Month activities



## 2.4 Training for Engineers

**Topic** : Problem Solving technique

**Objective** : Strengthen the knowledge

**Trainer** : Mr N.Natarajan

**No. of Participants** : 26 Participants

**Training Photo**



**Attendance**

**Training Evaluation**

IPR/TAS/24-25/001

**Training Attendance Sheet**

Training Topic :- PROBLEM SOLVING TECHNIQUES

Date :- 20th Nov 2024

Time :- 9:00 AM - 5:00 PM

Venue :- J. HALL

Name of the Trainer :- Mr. NATARAJAN

S. NO.	Emp ID No.	Name	Department	Signature
1	26487	VASANTH R	GET	[Signature]
2	26494	ABISHOCK S B	GET	[Signature]
3	26486	NIVESHKUMAR C	GET	[Signature]
4	26481	TANMAY S N	GET	[Signature]
5	26493	M. May Sridhar	GET	[Signature]
6	26499	V. Ramkumar	Engg	[Signature]
7	26456	Raman G	Engg. Quality	[Signature]
8	26445	A. Suresh Kumar	Engineering	[Signature]
9	26471	R. Suresh Kumar	Engineering	[Signature]
10	26402	E. Suresh Kumar	Off Engineer	[Signature]
11	26447	P. Lugesha Kumar	Off-Engg	[Signature]
12	26473	P. Lugesha	Lab (GET)	[Signature]
13	26403	R. Dinesh	Off-Engg Quality	[Signature]
14	900150	P. Chandan	Quality	[Signature]
15	26398	M. Natarajan	Off-Health	[Signature]
16	26459	N. VISHNUPESH	Off-Engg	[Signature]
17	26453	M. GURU PRINASH	Off-Engg	[Signature]
18	26461	M. Praveenkumar	Off-Engg	[Signature]
19	26470	V. Praveenkumar	Engg - Production	[Signature]
20	26483	G. M. Tejaswini	GET	[Signature]
21	26495	Rama Ramaswami S	GET	[Signature]
22	50252	N. Tejaswini	Off-Engg	[Signature]
23	26480	V. Sagar Praveenkumar	GET	[Signature]

**Problem Solving Techniques**

Pre & Post Training Evaluation

Organization: IP Rings Ltd.

Name: H. Murugesu Employee ID: 26598 Date: 20/11/24

Question	Pre Test	Post Test
1. Who is answer as the father of QCC? a. Juran b. Deming c. Ishikawa d. Pareto	a. <input checked="" type="checkbox"/>	a. <input checked="" type="checkbox"/>
2. Temperature falls under what type of Data? a. Ordinal b. Continuous c. Binary d. Nominal	b. <input checked="" type="checkbox"/>	b. <input checked="" type="checkbox"/>
3. Which of the following tools would be most appropriate for collecting data to study the symptoms of a problem? a. Control Chart b. Check List c. Check Sheet d. Histogram	c. <input checked="" type="checkbox"/>	c. <input checked="" type="checkbox"/>
4. A defect is known as: a. Physical Damage b. Aesthetic non-conformance c. Non-conformance parameter d. All of the above	d. <input checked="" type="checkbox"/>	d. <input checked="" type="checkbox"/>
5. If Q is quality, P is performance, E is expectations, then what do we understand by Q-C? a. Performance is less than expectations b. Performance is more than expectations c. Performance is at par d. None of the above	b. <input checked="" type="checkbox"/>	b. <input checked="" type="checkbox"/>
6. A process is said to be stable only under the influence of: a. Common Cause b. Special Cause c. Assignable Cause d. All of the above	a. <input checked="" type="checkbox"/>	a. <input checked="" type="checkbox"/>
7. A process in the state is presented by: a. Histogram b. Cause & effect diagram c. Process Flow Diagram d. Scatter Diagram	d. <input checked="" type="checkbox"/>	d. <input checked="" type="checkbox"/>
8. Accuracy is: a. Closeness of individual data points b. Closeness of avg of observations to the target value c. None of the above	a. <input checked="" type="checkbox"/>	b. <input checked="" type="checkbox"/>
9. Reliability of a product / Service is defined as: a. Useful life of the product b. Ability to continue to meet the customer requirements c. MTBF d. None of the above	b. <input checked="" type="checkbox"/>	b. <input checked="" type="checkbox"/>
10. Statistical Process Control answers the question: Is the <u>process</u> stable?	a. <input checked="" type="checkbox"/>	a. <input checked="" type="checkbox"/>
<b>Total Score:</b>		76

❖ Training program conducted for PST topic and Pre-test/Post-test Conducted to measure the improvement in knowledge level and **improved from 44% to 76%**

# Categories of Quality Month activities

## 2.5 Training for Operators

**Topic** : Abnormality Handling & 4M Change

**Trainer** : Mr Abdul Gayas

**Objective** : Strengthen the knowledge

**No. of Participants** : 18 Participants

### Training Photo



### Attendance

S. NO.	Emp ID No.	Name	Department	Signature
1	52104	R. Jayaram	Quality	[Signature]
2	52105	P. Suresh	Quality	[Signature]
3	52106	S. Anand	Production	[Signature]
4	52107	M. Anand	Production	[Signature]
5	52108	S. Murugesan	Production	[Signature]
6	52109	S. Subash	Production	[Signature]
7	52110	M. Anand	Production	[Signature]
8	52111	S. Anand	Production	[Signature]
9	52112	S. Anand	Production	[Signature]
10	52113	R. Anand	Production	[Signature]
11	52114	R. Anand	Production	[Signature]
12	52115	V. Anand	Production	[Signature]
13	52116	M. Anand	Production	[Signature]
14	52117	M. Anand	Production	[Signature]
15	52118	S. Anand	Production	[Signature]
16	52119	T. Anand	Production	[Signature]
17	52120	M. Anand	Production	[Signature]
18	52121	K. Anand	Production	[Signature]
19	52122	M. Anand	Production	[Signature]
20	52123	M. Anand	Production	[Signature]
21	52124	S. Anand	Production	[Signature]
22	52125	R. Anand	Production	[Signature]
23	52126	M. Anand	Production	[Signature]

### Training Evaluation

S. NO.	Emp ID No.	Name	Department	Signature
24	52127	V. Anand	Production	[Signature]
25	52128	P. Anand	Production	[Signature]
26	52129	P. Anand	Production	[Signature]
27	52130	P. Anand	Production	[Signature]
28	52131	P. Anand	Production	[Signature]
29	52132	P. Anand	Production	[Signature]
30	52133	P. Anand	Production	[Signature]
31	52134	P. Anand	Production	[Signature]
32	52135	P. Anand	Production	[Signature]
33	52136	P. Anand	Production	[Signature]
34	52137	P. Anand	Production	[Signature]
35	52138	P. Anand	Production	[Signature]
36	52139	P. Anand	Production	[Signature]
37	52140	P. Anand	Production	[Signature]
38	52141	P. Anand	Production	[Signature]
39	52142	P. Anand	Production	[Signature]
40	52143	P. Anand	Production	[Signature]
41	52144	P. Anand	Production	[Signature]
42	52145	P. Anand	Production	[Signature]
43	52146	P. Anand	Production	[Signature]
44	52147	P. Anand	Production	[Signature]
45	52148	P. Anand	Production	[Signature]
46	52149	P. Anand	Production	[Signature]
47	52150	P. Anand	Production	[Signature]
48	52151	P. Anand	Production	[Signature]
49	52152	P. Anand	Production	[Signature]
50	52153	P. Anand	Production	[Signature]
51	52154	P. Anand	Production	[Signature]
52	52155	P. Anand	Production	[Signature]

❖ Training program conducted for SPC topic and Pre-test/Post-test Conducted to measure the improvement in knowledge level and **improved from 60% to 75%**