"What a Person's mind can conceive & believe, it can achieve!"

Sri Padhmam
Consultancy & Training

Share & Care
January 2018

+91 94428 92185

office@sripadhmam.com

www.sripadhmam.com

Wishing you all a happy & progressive new year 2018!

SPeL

Contents Shared & Cared this month…

- Top Performers from the companies on various workshops
- Statistical tools : A close look
- IATF 16949 : 2016 exercise
- How to Improve the Cpk factor
- Thought for the month
- Career growth : An article (HR- SIDE)
- Let us Stay Positive !
- Sri Padhmam e-Learning

Happy learning!

A V Manivannan
Principal Consultant & Trainer
Sri Padhmam Consultancy & Training

INTERNAL AUDITOR PROGRAM

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Mr. Sampath

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Mr. R Nanda Kumar,

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Mr. Sridharan D of Sundram Fasteners Ltd,

Mr. Sudhakar P of Sundram Fasteners Ltd,

Mr. Ramkumar K of Wichitra Auto &

Mr. Sakthivel S of BBL Daido pvt ltd

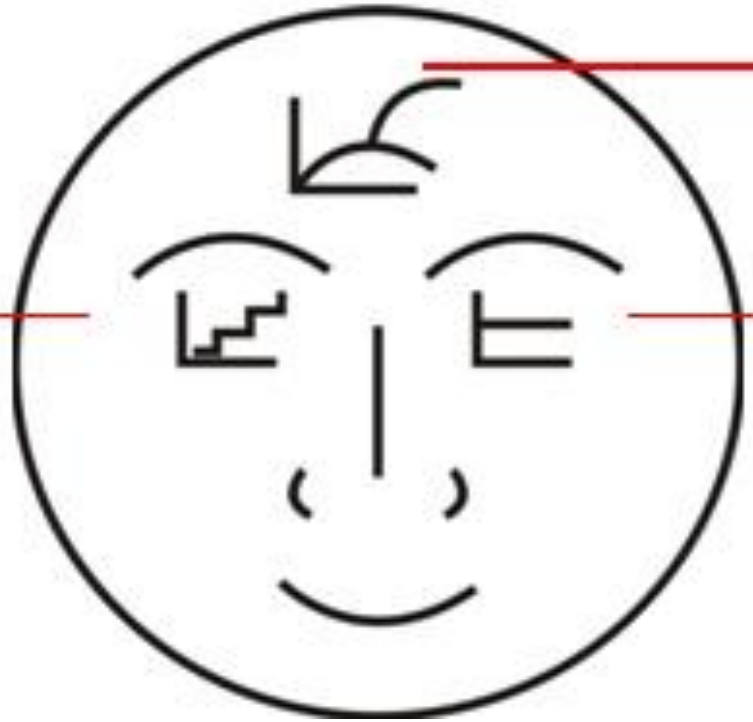
Thought For the Month !

"I am not discouraged, because every wrong attempt discarded is another step forward."

-Thomas Edison

Let us think Deeply & Implement Nicely !

Three Eyes of the Buddha



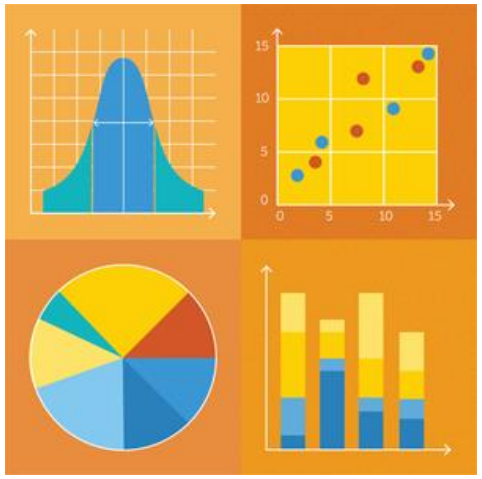
Breakthrough Management

Incremental Management

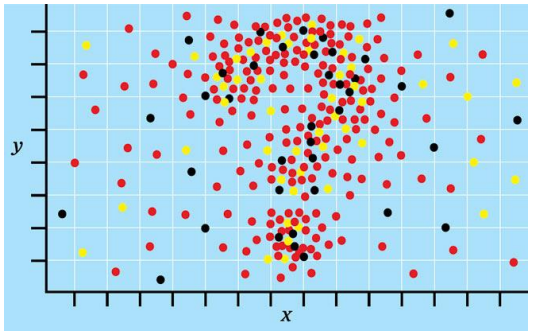
Control Management

We are offering many Statistics based Workshops such as Statistical process control, Six Sigma awareness, Control Charts, Capability studies and Design of Experiments (Shainin).

This exercise will help those who had undergone the above mentioned programs by us !



Statistical tools : A Close look !



Special Exercise for the Practitioners of Statistics !

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Statistical Tools : A Close look

V

#	Statistical Tool	Focus Point	Please select the best Option & Circle		
			Option A	Option B	Option C
1	Histogram	First focus	Spread	Location	Shape
2	Pareto Analysis	Origin from	Defence	Economics	Aeronautics
3	Component search	D / d bar Ratio	1.25 Minimum	2.5 Maximum	1.33 Minimum
4	Stratification	Time to apply	Before analysing any data	Immediately after analysing any data	Only when making the Conclusions
5	Pre-control Charts	Consideration	6 Sigma process zone	5 Sigma process zone	Specification Limits
6	Sigma Computation	Methods involved	4	2	3

Right answers will be given in the next month e-magazine !

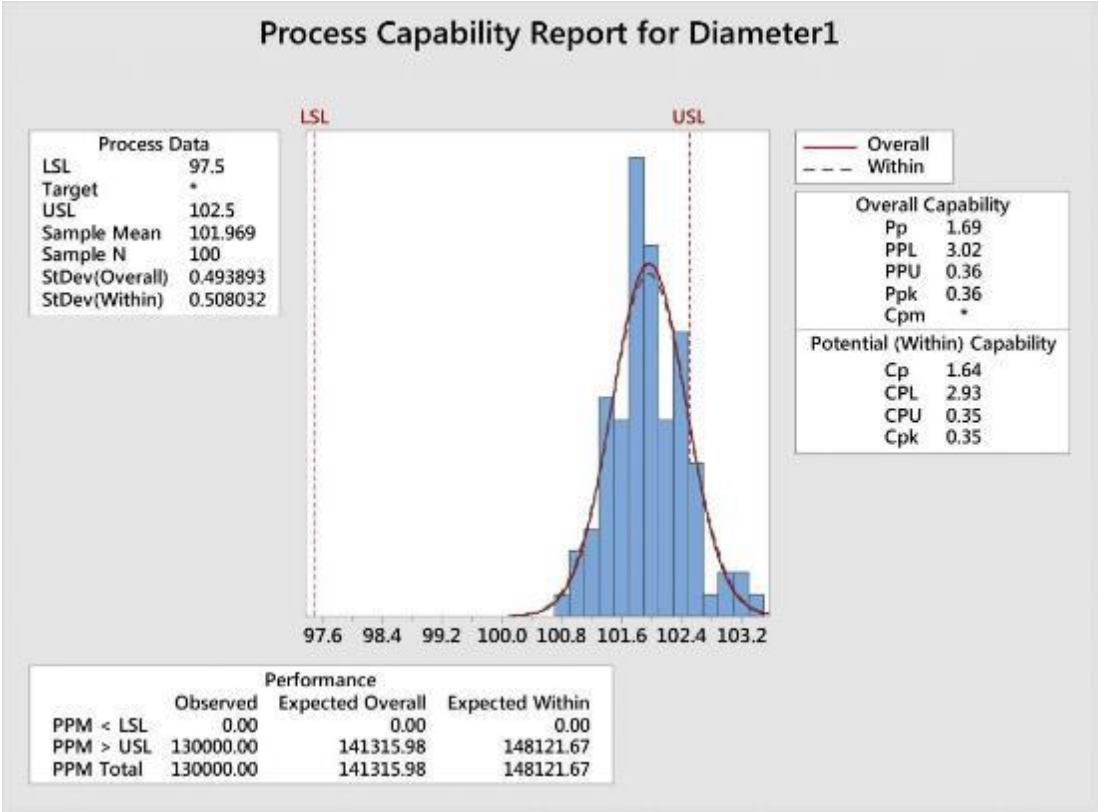
How to Improve Cpk

- **You run a capability analysis and your Cpk is bad. Now, what next ?**
- First, let's start by defining what "bad" is.
- In simple terms, the smaller the Cpk, the more defects you have.
- So the larger your Cpk is, the better.
- Many practitioners use a Cpk of 1.33 as the gold standard, so we'll treat that as the gold standard here, too.
- The results reveal a Cpk of 0.35 with a corresponding DPMO (defects per million opportunities) of more than 140,000.
- Not good. So how can we improve it? There are two ways to figure that out

How to Improve Cpk

#1 Look at the Graph

Example 1: The Cpk for Diameter1 is 0.35, which is well below 1.33. This means we have a lot of measurements that are out of spec. Using the graph, we can see that the data—represented by the blue histogram—is not centered between the spec limits shown in red. Fortunately, variability does not appear to be an issue since the histogram and corresponding normal curve can physically fit between the specification limits.

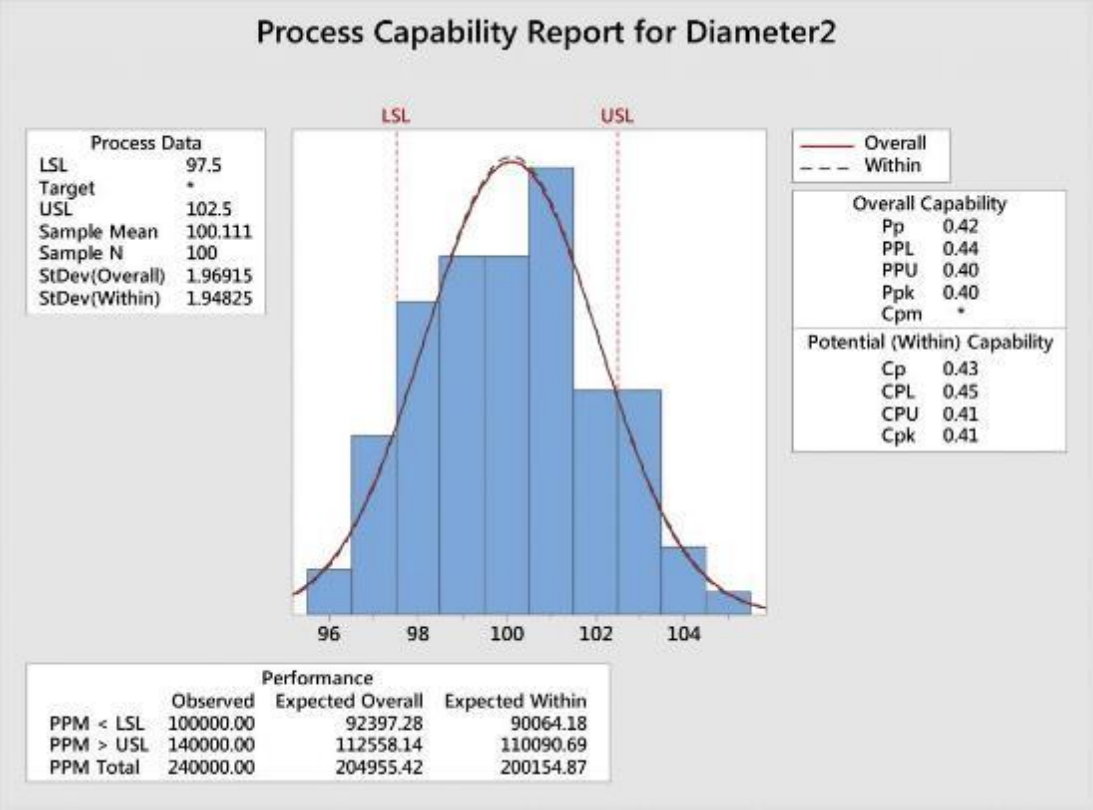


Q: How can we improve Cpk?

A: Center the process by moving the mean closer to 100 – halfway between the spec limits – without increasing the variation.

How to Improve Cpk

Example 2: In the analysis for Diameter2, we see a meager Cpk of only 0.41. Fortunately, the data is centered relative to the spec limits. However, the histogram and corresponding normal curve extend beyond the specs.

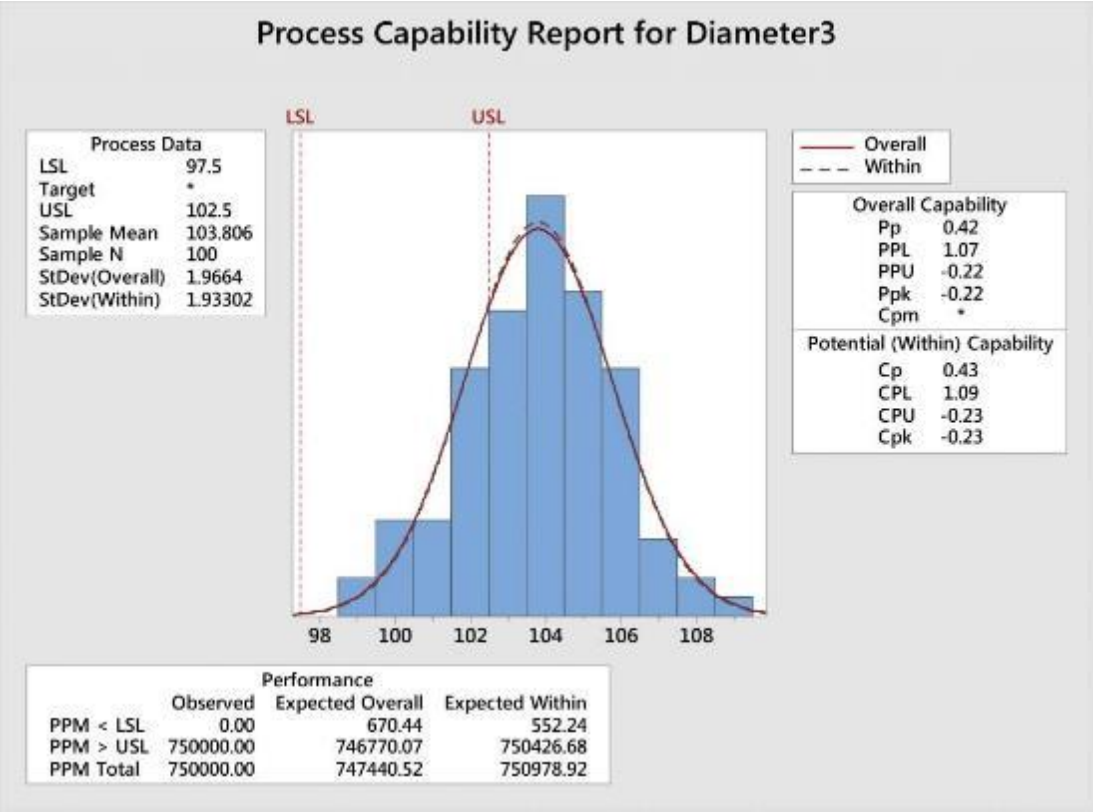


Q: How can we improve Cpk?

A: Reduce the variability, while maintaining the same average.

How to Improve Cpk

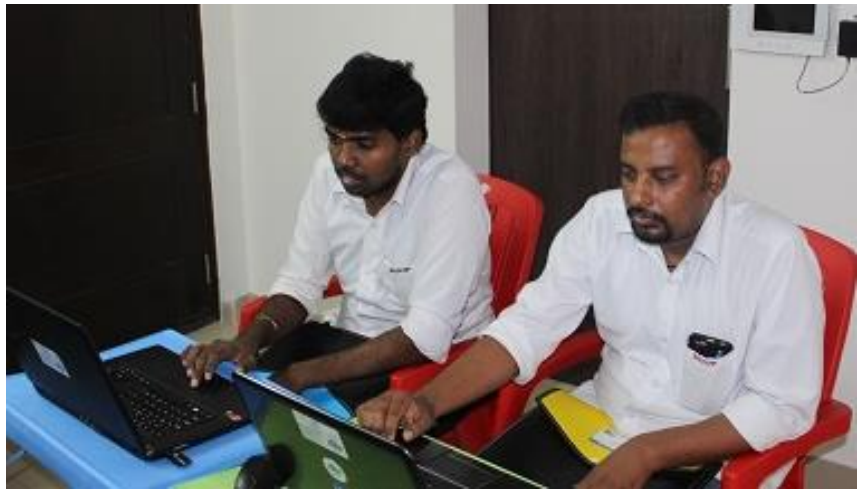
Example 3: In the analysis for Diameter3, we can see that the process is not centred between the specs. To make matters worse, the histogram and corresponding normal curve are wider than the tolerance (i.e. the distance between the spec limits), which indicates that there's also too much variability.

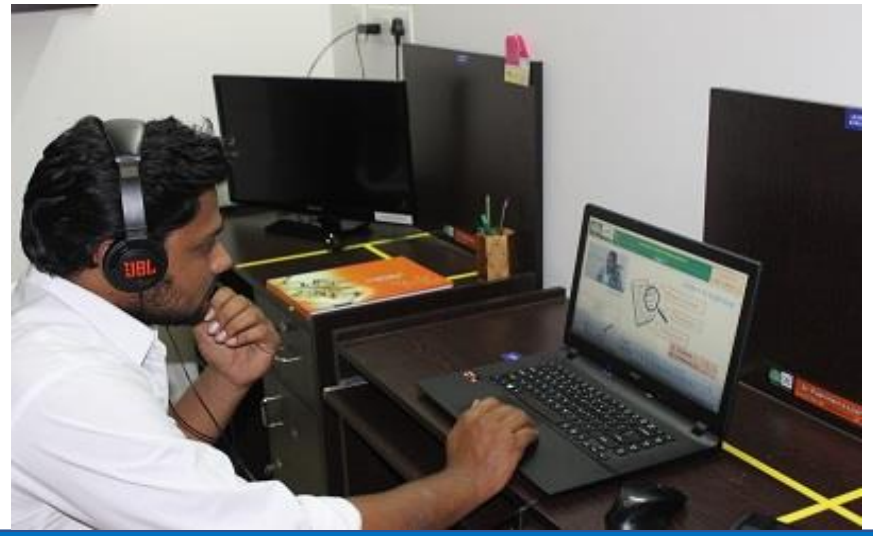


Q: How can we improve Cpk?

A: Shift the mean closer to 100 to center the process and reduce the variation.

100% video based training at our e-learning centre





Mr. Karthik. K,

Mr. Subramanian,

Mr. Praveen Kumar &

Mr. Rosario Arokiaraj

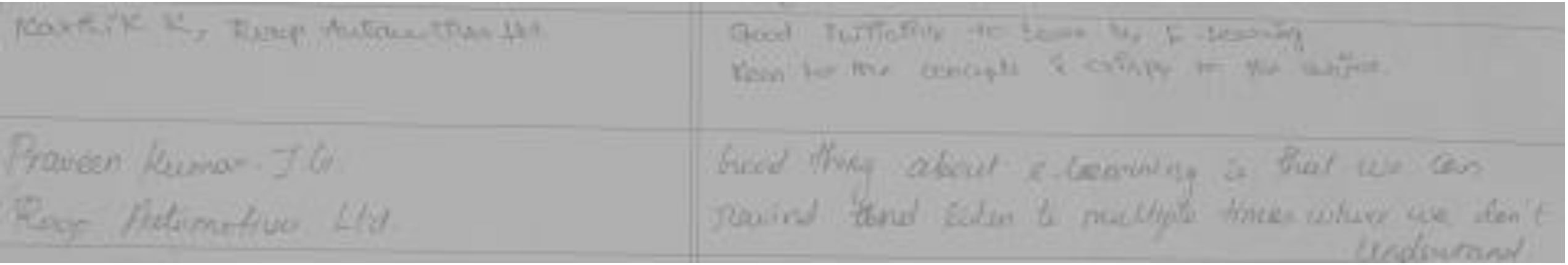
Roop Automotives Ltd Feedback

"Good initiative to learn through videos ! Clear explanation of the concepts & crispy to the subject "

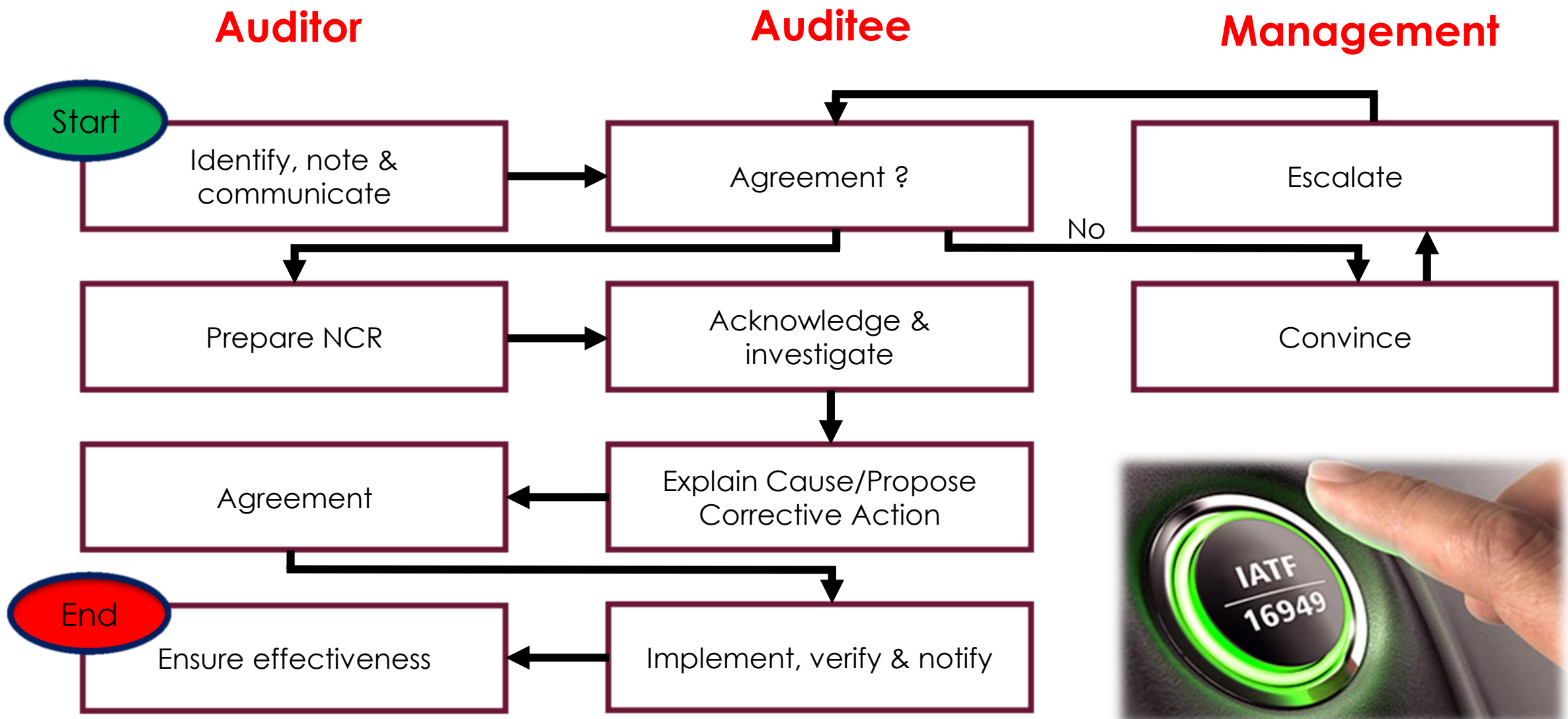
- Karthik, Roop Automotives Ltd

"Good thing about e-learning is that we can rewind and listen to multiple times where we want to understand still better "

- Praveen Kumar, Roop Automotives Ltd



Non – Conformity Management



Career Growth – A Close Look

HR - SIDE

To Reach Your Next Big Goal, Follow the 10-80-10 Rule

- ✓ So you have a new project in mind—a major undertaking, a shift in direction, the kind of thing that will put your company on the map or reaffirm its dominance in the market.
- ✓ And you are feeling a little... overwhelmed.
- ✓ This leadership thing is not for the faint of heart.
- ✓ Even after all of these years, a new venture gives me both a rush of excitement and a flutter of nerves.
- ✓ There's a lot at stake, after all: money, time, reputation.
- ✓ That's why today we're going to rethink the project cycle, simplify it, and focus your energy on the time periods when strong leadership is most critical: in the beginning and the end.
- ✓ I call it my 10-80-10 rule.

To Reach Your Next Big Goal, Follow the 10-80-10 Rule

- ✓ You give 100 percent of your attention to the start and end of the endeavour, and let your team drive it—with an occasional tug on the reins—during the long middle. I've adapted this from the Pareto principle, the idea that **80** percent of your results come from **20** percent of your input.
- ✓ So let's start at the beginning, where leadership will either set your team on a road to success or leave it stranded with no GPS and only a vague notion of where to go.
- ✓ To get started, they need four things from you: vision, direction, creativity and empowerment.

Vision

- ✓ What do you see?
- ✓ Why is this undertaking important?
- ✓ What could it accomplish?

To Reach Your Next Big Goal, Follow the 10-80-10 Rule

- ✓ How could it benefit the organization or its greater goals?
- ✓ Where does each team member fit into the equation?
- ✓ I emphasize the last one because many emerging leaders forget to address it as they lay out their ideas.
- ✓ If team members don't know their roles, how can they feel invested?
- ✓ If they don't see themselves in the picture, why should they buy into it?
- ✓ Trust me, your project will go further if your team is fully engaged.

Citation-Success

Sri Padhmam e-Learning

Control Plan Methodology

as per IATF 16949:2016

What ?	When ?	Where ?	How much ?	For whom ?
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