



Confederation of Indian Industry



**INSTITUTE  
of QUALITY**

**Confederation of Indian Industry  
CII Institute of Quality**

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Dear Members,

**17<sup>th</sup> Edition**  
**COMPETITION ON HUMAN MISTAKE PROOFING (POKA YOKE)**  
**29-30 January 2025: Virtual Platform**  
**Call for Paper: Last date for submission- 18<sup>th</sup> January 2025**

CII IQ, TPM Club India is pleased to announce the Seventeenth competition on the Man-made mistake proofing technique (Poka Yoke). This is the call for paper, inviting members/non-members to compete at the Poka Yoke Competition on **29-30 January 2025** through Virtual platform.

**Objective:**

To err is Human. Human Beings are very forgetful and tend to make mistakes. Many times, we end up saying "Operator Carelessness/Negligence" or "Operator Inattentiveness". If we carefully look at such processes, we can reason out that these are a combination of many factors rather than just "Operator Carelessness". To create an overall awareness on Human mistake proofing methodology in the shop floor activities, CII TPM Club India has designed a competition on MISTAKE PROOFING.

**Categories:**

1. Control type
2. Alarm type
3. Shutdown type

**Methodology:**

1. 6 minutes per presentation plus 2 mins for Question and Answers
2. Two presenters are allowed per project/ team

### Flow of presentation and rating of the presentation:

1. Problem explanation - 10 marks
2. Root cause analysis - 10 marks
3. Explanation of Mechanism - 10 marks
4. Explanation of type of Poka - 10 marks
5. Explanation of type of yoke - 10 marks
6. Improvement mechanism - 10 marks
7. Explanation of Poka yoke with suitable tools - 10 marks
8. Explanation of result & benefits - 10 marks
9. Status of Horizontal deployment - 05 marks
10. Sustenance methodology - 05 marks
11. Time management - 05 marks
12. Participation - 05 marks

### Rating:

1. 80 % weight age for Jury rating
2. 20 % weight age for audience rating

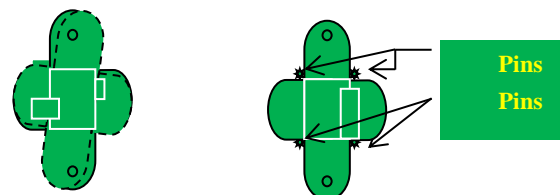
### A brief understanding on Poka – Yoke:

Monotonous, mechanical and long tense working environment tend to make people commit mistakes. If we bracket these mistakes as carelessness, the people get demotivated and discouraged.

Poka is a Japanese word meaning “inadvertent errors” and Yoke comes from Japanese word “Yokerie” meaning “to avoid”. This has also been termed as “Mistake / Fool Proofing” or “Fail Safing”. The idea behind poka-yoke is to free a person’s mind from maintaining repetitive vigil which may be practically infeasible. By doing so a person without the fear of making mistake can constructively do more value added activities.

Poka-Yoke is designed in a way that it helps the operator to recognize the defect before it is about to occur, it is called a **Prevention or Prediction** type Poka Yoke. Poka Yoke helps the operator to know immediately on the occurrence of the defect then it is called **Detection** type Poka Yoke. Detection is “after’ the defect is produced. The merit of this type of poka yoke is based on the stage at which the defect is detected. In simple language “**Earlier the better**”.

There are 8 type of Human errors are possible, which can get resulted in any one out of Product quality defect, component breakdown and accident.





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### **Processing Errors including Safety Errors**

- **Assembly Errors**
- **Inspection Errors**
- **Processing Omissions**
- **Assembly Omissions**
- **Packing / Pasting / Labeling Errors**
- **Mis-orientation, Mis-alignment & Dimensional Errors**

So as to avoid such shop floor problems, the following types of alarms are designed.

### **CONTROL:**

In Prevention type Poka-Yoke, Control means that even intentional errors are impossible or methods by which the cause of a defect if starts happening, it is automatically prevented from happening (feedback mechanism).

In Detection type Poka-Yoke , Control means that the process is not stopped but the defective items are automatically separated out and are not allowed to pass on to next stage

### **ALARM:**

Signals in form of buzzers, blinking lights are used to warn when an abnormality, has occurred (detect) / about to occur (predict).

### **SHUTDOWN:**

Normal function of machine or process is **stopped** when defect predicted/detected.

### **Entry Fee:**

There is an Entry fee of Rs. 11,000/- + 18% GST for each selected Poka Yoke paper to be presented. There would be two speakers per paper selected. If additional delegates are nominated by the presenting company, the discounted fee would be Rs. 3,000/- per person + 18% GST.

### **Deadline for "Call for Paper":**

**The Poka Yoke papers should reach us before 18<sup>th</sup> January 2025.** Please follow the standard format (ppt) enclosed. The acknowledgement of receipt of papers will be sent to the respective member company. If you do not receive confirmation within a week of sending the nomination, please contact Mr Mani Kumar on [mani.kumar@cii.in](mailto:mani.kumar@cii.in).



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**Important Note:**

**New Poka Yoke Kaizens/ Projects must be presented which was not presented earlier in CII forums. Already presented kaizens will not be entertained.**

**Award Categories:**

Platinum Award

Gold Award

Silver Award

We look forward to the active participation from all Members and Non-Members to share Mistake Proofing projects with the Indian industry to build India's competitiveness and compete at the conference.

Best Regards,

**Abdul Wadood**

Head & Principal Advisor – TPM Club India

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***Please feel free to call undersigned for more details/ registration:***

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