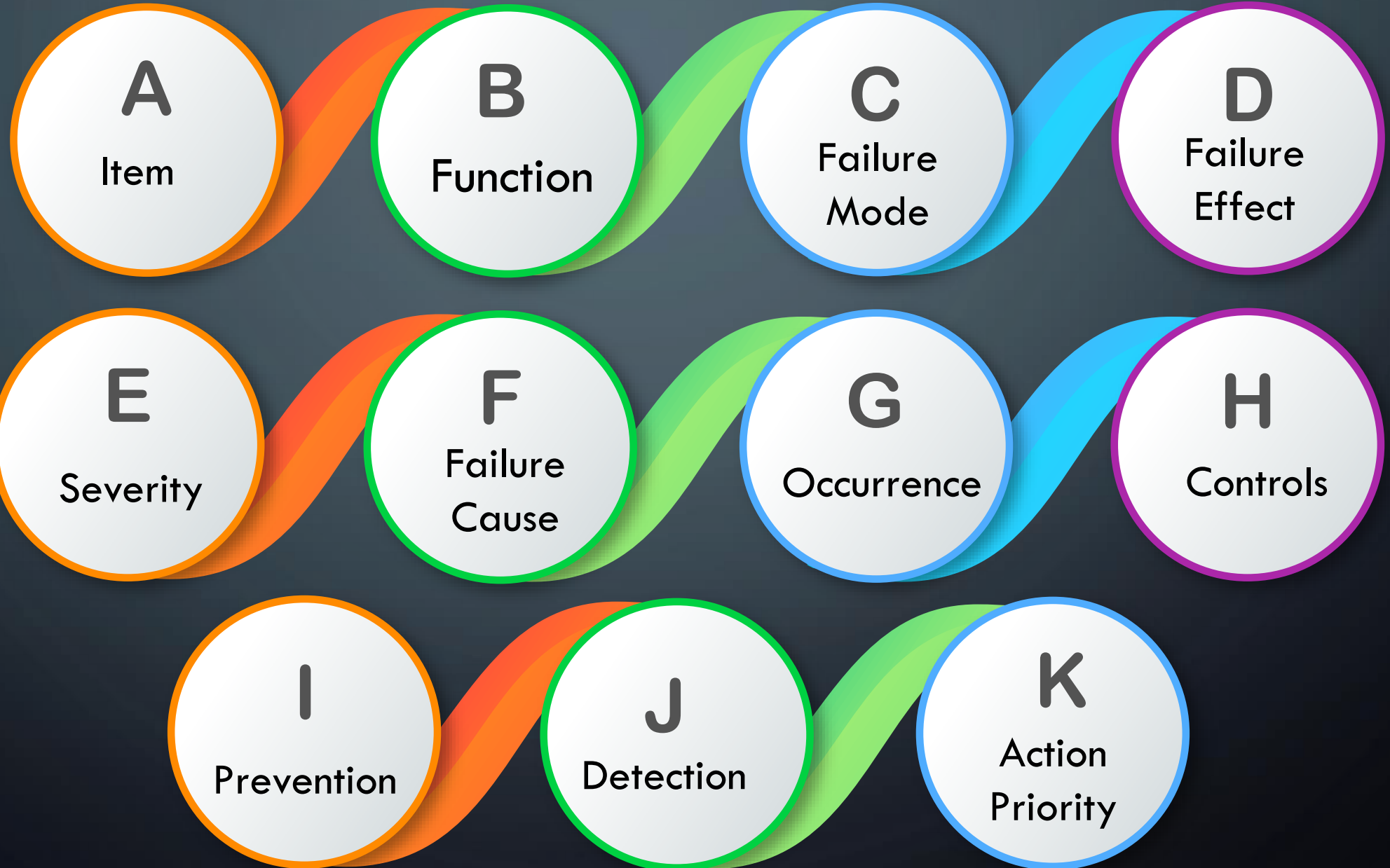


# FAILURE MODE & EFFECTS ANALYSIS - GLOSSARY



# FAILURE MODE & EFFECTS ANALYSIS - GLOSSARY

## G. Occurrence:

- A ranking number associated with the likelihood that the failure mode and its associated cause will be present in the item being analysed.
- For system and design FMEA's , the occurrence ranking considers the likelihood of occurrence during the design life of the product.
- For Process FMEA's , the occurrence ranking considers the likelihood of occurrence during production. It is based on the criteria from the corresponding occurrence scale. The occurrence ranking has a relative meaning rather than an absolute value and is determined without regard to the severity or likelihood of detection.

## H. Controls:

- The methods or actions currently planned, or that are already in place, to reduce or eliminate the risk associated with each potential cause.
- Controls can be the methods to prevent or detect the cause during product development, or actions to detect a problem during service before it becomes catastrophic. There can be many controls for each cause.

# FAILURE MODE & EFFECTS ANALYSIS - GLOSSARY

## I. Prevention Type Design Control:

- The methods or actions currently planned that described how a cause, failure mode or effect in the product design is prevented.
- They are intended to reduce the likelihood that the problem will occur, and are used as input to the occurrence ranking.

## Detection Type Design Control:

- The methods or actions currently planned that described how a failure mode or cause in the product design is detected, before the product design is released to production.
- They are used as input to the detection ranking.
- Detection controls are intended to increase the likelihood that the problem will be detected before it reaches the end user.

# FAILURE MODE & EFFECTS ANALYSIS - GLOSSARY

## Prevention type Process Control:

- The methods or actions currently planned that described how a cause, failure mode or effect in the manufacturing/assembly process is prevented.
- They are intended to reduce the likelihood that the problem, will occur, and are used as input to the occurrence ranking.

## Detection Type Process Control:

- The methods or actions currently planned that described how a failure mode or cause in the manufacturing/assembly process is detected.
- They are intended to increase the likelihood that the problem will be deducted before the item is shipped from the manufacturing/assembly plant, and are used as a input to the detection ranking.

# FAILURE MODE & EFFECTS ANALYSIS - GLOSSARY

## J. Detection:

- A ranking number associated with the best control from the list of detection – type controls, based on the criteria from the detection scale.
- The detection ranking considers the likelihood of deduction of the failure mode/ cause according to defined criteria.
- Detection is a relative ranking within the scope of the specific FMEA and is determined without regard to the severity or likelihood of occurrence.

## K. Action priority

It is based on severity occurrence deduction ranking and MSR table.



## Our Flagship Services

1



SPES | Hello Buddy



Comfort yourself on the day of your employee's induction by using our Hello Buddy videos (Absolutely Customizable).

### Benefit(s):

- Present your induction in an innovative manner
- This is created in an assemble fashion to convenient our clients.

Reach us and pick the topics as per your target audience.

2



SPES | My Guru



Transform your existing Standard Operating procedures (SOPs) of assembly/Manufacturing process into creative video format.

### Benefit(s):

- Be assured of providing independent learning of the process to your employees.
- Repetitive learning is achieved through video mode to equip oneself further
- Training period can be reduced





## Our Flagship Services

3



SPES | Course Video



This service gives great opportunities through e-Learning platform to many individuals who want to update their knowledge and skills but has no opportunities.

Mode of learning : **Our YouTube channel** ( click -> **You Tube** ) / DVD

Medium of instruction : **English - Tamil & English - Hindi**

### **Benefit(s):**

Any individual can update the knowledge anywhere at anytime through e-Learning platform.

### Available Course Video



1. Analytical Tools for Improvements - Stage 1
2. Analytical Tools for Improvements - Stage 2
3. QMS ISO 9001:2015 - Stage 1
4. Control Plan Methodology as per IATF 16949



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