



**VILLA MARIE DEGREE COLLEGE FOR WOMEN**

**(Affiliated to Osmania University)**

**#6-3-1089 , Raj Bhavan Road, Somajiguda, Hyderabad**

**An ISO 9001:2015 Certified Institution**



**The Department of Mathematics and Statistics**

**Organizes A Guest Lecture**

**On**

**Statistical Quality Control**

**Date :14th September, 2022**

**Venue : AV Room**

**Target Audience: Bsc III year**

**Time : 1:00 PM to 2:00 PM**

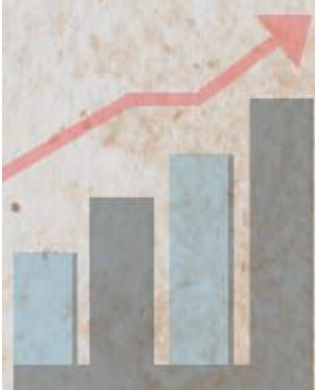


**Dr.D.Lalitha Devi**

**Assistant Professor in Statistics**

**Kasturba Gandhi Degree & PG College for  
Women, West Marredpally, Secunderabad.**

**Faculty Coordinator : Ms.Pushpa Andugula  
Assistant Professor in Statistics**





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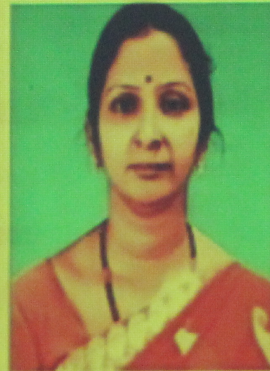
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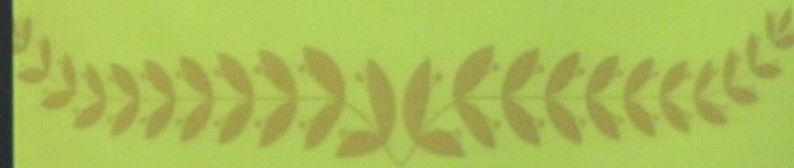
**Dr. D. Lalitha Devi**

Associate Professor in Statistics  
Kasturba Gandhi Degree & PG College for  
Women, West Marredpally, Secunderabad.

Faculty Coordinator : Ms. Pushpa Andugula  
Assistant Professor in Statistics



**Best teacher award from Redcross  
society in 2021**







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No. 2, Hill Street, Conception, Hyderabad  
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Date: 14th September, 2021  
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Best Award from Redcross  
2021



SQC (Protected View) - PowerPoint

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# Quality

- Quality means the product that determine fitness for use
- SQC is a planned collection and effective use of data for studying causes of variation in quality

15 of 4 of 11 (English (India))

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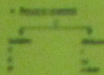
# National Accreditation Board for Hospitals

- The objective of NABH is enhancing health system & promoting continuous quality improvement and patient safety .
- NAAC(National Assessment and Accreditation Council)
- AGMARK : Mark for Agricultural produce
- FSSAI : Food Safety and Standards Authority of India



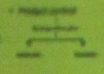
## Process Control

- The process should be controlled in such a manner that the risk of defective products produced by the production system.
- No use control charts here.



## Product Control

- The aim of controlling the quality of the product and maintaining control in the final stage of the production.



## National accreditation board for hospitals

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## International Organization for Standardization

- ISO releases the global reference needs for adoption which refers to the stage of the product or service at which the quality of the product needs evaluation.
- ISO 9000:2015
- ISO 14000:2015
- ISO 26000:2017
- ISO 45001:2018

International Organization for Sta...

## How to determine a genuine silk

- Ring test
- Burn test
- By observation
- Starch test: Real silk dissolves in starch, while fake silk does not.

# Types of Toothpaste

## Colours they contain at crimp



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- Liquid
  - Jelly
  - Pastry
- RED
- GREEN
- BLUE
- BLACK

Microsoft PowerPoint interface showing a presentation slide. The slide title is "National Accreditation Board for Hospitals". The slide content includes a list of bullet points and two logos.

### National Accreditation Board for Hospitals

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controlled in such a manner that the no. of defective products produced by the process is minimum.

- We use control charts here.

Variables  
 $X$   
 $\bar{x}$   
Attributes  
 $c$   
 $np$ -chart



## Process Control

- The process should be controlled in such a manner that the no. of defective products produced by the process is minimum.
- We use control charts here.
- Process control

Variable	Attribute
$\bar{x}$	c
$R$	np
$\sigma$	p-chart





