

# PRODUCT QUALITY ANALYSIS

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**TOOLS & TECHNOLOGIES USED:** Microsoft Power BI Desktop, MS Excel, MS Word, MySQL, Microsoft Power BI Service.

## **SUMMARY:**

This Product Quality Analysis Dashboard created in Microsoft Power BI. I have used sample data to create this dashboard. This dashboard displays Total Task, Sample, Defect, Fatal Error, and Quality Score.

### **Product Quality Analysis:**

Quality Management is a must to deliver high quality products and services to customer. The group of features and characteristics of saleable good which determines its desirability and which can be controlled by a manufacturer to meet certain basic requirements defines Product Quality.

Product Quality is the product's ability to fulfill expectations and needs set by the end user.

### **Focus on Product Quality:**

- **Before Production**, company must find out the needs of the consumers. These needs must be included in the product design specification. So the company must design its product as per needs of its consumer.
- **During Production**, company must have the quality control at all stages of production process. There must have quality control for raw materials, plant and machinery, selection and training of manpower, finished product and packaging of products etc.
- **After Production**, the finished product must match to the product design specifications in all aspects, especially quality. The company must fix the high quality standard of its product and see that the product is manufactured exactly as per this quality standard. It must try to make zero defect product.

### **Parameters of Product Quality:**

1. Performance
2. Features
3. Reliability
4. Durability
5. Serviceability
6. Aesthetics
7. Perceived Quality

## DASHBOARD:

