



K S RANGASAMY COLLEGE OF TECHNOLOGY
Tiruchengode – 637215
(An Autonomous Institution, Affiliated to Anna University, Chennai)
DEPARTMENT OF MECHANICAL ENGINEERING



Flipped Class

Programme & Branch	B.E. & EEE/BT/FT/CSE	Year/Sem	IV/III/II & VIII/VI/IV
Course Code & Name	50 ME L04 – Quality Control and Reliability Engineering	Date	14.03.2022

The video link for the topic 7 QC Tools is <https://www.youtube.com/watch?v=RdyZWZfLc9M> All the students are requested to listen the video and come prepared for the discussion to be held on 16.03.2022 (First Hour) in our classroom A201.

Course Instructor
S.Karthick



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Flipped Class Activity Report

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Course Code & Name	50 ME L04 – Quality Control and Reliability Engineering	Date	16.03.2022

List of Questions

1. What are 7 Quality Tools?
2. What is Cause and Effect Diagram?
3. What is Flow Chart?
4. Define Scatter Diagram.
5. Pareto Chart is used to -----

The above questions have been asked to the students and they shared their answers. All the students answered questions no. 1 and no.5 correctly. But few students answered questions No. 2 and 4 correctly. So, I discussed the non-answered topic in the classroom.

Course Instructor
(S.Karthick)

Module Coordinator
(Dr.G.Mylsami)



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Flipped Class – Questions and Answers

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1. What are 7 Quality Tools?

Check sheet, Fishbone diagram (cause and effect diagram, or Ishikawa diagram), Histogram, Pareto chart, Control chart, Scatter diagram, Flow Chart.

2. What is Cause and Effect Diagram?

A cause-effect diagram is a visual tool used to logically organize possible causes for a specific problem or effect by graphically displaying them in increasing detail, suggesting causal relationships among theories.


3. What is Flow Chart?


A flowchart is a picture of the separate steps of a process in sequential order. It is a generic tool that can be adapted for a wide variety of purposes, and can be used to describe various processes, such as a manufacturing process, an administrative or service process, or a project plan.

4. Define Scatter Diagram.

A scatter diagram is used to examine the relationship between both the axes (X and Y) with one variable. In the graph, if the variables are correlated, then the point drops along a curve or line. A scatter diagram or scatter plot gives an idea of the nature of relationship.

5. Pareto Chart is used to express the Bar Chart for Mathematical Analysis.


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