





Module I – Team Work Management

Topic 3: Quality Assurance (QA)

Session 1: Quality Control (QC)



Outline

- Definition
- How Is It Done?
- QC Is Different by Industry
- Types of Quality Control
- Why Is Quality Control Important
- Types of Quality Control



Definition

- Quality Control (QC) is a set of activities for ensuring quality starting from Raw material to finish Products.
- The activities focus on identifying defects in the actual products produced or during the production process for corrective measures. Therefore, QC is a reactive approach.





(Definition)

- The main aim of Quality control is to check whether the products meet the specifications and requirements of the customer.
- If an issue or problem is identified, it needs to be fixed before delivery to the customer.



QUALITY CONTROL





How Is It Done?

- Quality testing is part of every stage of a manufacturing or business process.
- Employees frequently begin testing using samples collected from the production line, finished products, and raw materials.
- Testing during various production phases can help identify the cause of a production problem and the necessary corrective actions to prevent it from happening again.





QC Is Different by Industry

- The kind of business or product greatly impacts the quality control procedures used there.
- To ensure that a consumer won't become ill from a product, for instance, quality control in manufacturing food and medications involves testing samples from the production line for chemicals and bacteria.





Types of Quality Control

- Process Protocol
- Process Control
- Control Charts





Importance of QC

- Quality Control is necessary because it ensures that a company will look at evidence-based data and research to ensure that products are living up to their standard.





Roles and Responsibilities

- A quality control professional is tasked with analyzing these measurements against some sort of standard determined by the quality management department, company policies, and industries or regulatory bodies.
- Based on this evidence-gathering, quality control will recommend changes.





Types of Quality Control

- The four types of quality control are:
 - *Process Control*
 - *Control Charts*
 - *Acceptance Sampling, and*
 - *Product Quality Control*



Thank you