



SNS COLLEGE OF TECHNOLOGY

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DEPARTMENT CIVIL ENGINEERING

19CEB302 - CONSTRUCTION MANAGEMENT

III YEAR / V SEMESTER

Unit 5 : QUALITY AND SAFETY MANAGEMENT

Topic 1 : Planning for Quality





Planning for Quality



- A project quality plan is a written plan that details how you will manage quality on a specific construction project.
- This is different from a company quality manual, which explains your quality policies and procedures in general.
- Clients may ask for project quality plans in different ways.
 - One way may be that your contract says you need to submit a quality control plan.
 - Another way may be that your client comes out and asks for a project quality plan.



Planning for Quality



Contents in Quality Control Plan

- Putting Quality into Context
- Quality Management Systems – The Basics
- Quality Management – Principles of Good Practice
- The Quality Plan
- Quality Management Tools and Techniques
- Background Information and Research
- Relevant Standards by Work Section



Planning for Quality



Why Is Quality Planning Important in Project Management?

- In quality planning, the project manager defines and codifies the standards the project will be required to meet to be successful, and how those standards will be achieved and confirmed.
- Managers consider quality planning in conjunction with the rest of the project planning because it influences costs, scheduling and other factors.
- Without strong quality planning, a project carries an increased risk that the client won't be satisfied with the results.



Planning for Quality



Sets the Standards

- Quality planning determines the scope of what's going to be measured, what metrics will determine whether the project is successful, and how those will be satisfied, from beginning to end.

SMART Quality Planning Process

- These points of reference identify the progress of a project against expectations generated from previous projects, industry standards or other measurements, and measure progress periodically from the initial development stages to the final product.



Planning for Quality

- Like other processes, quality planning should include metrics that are specific, measurable, agreed-upon, realistic and time-bound. Such SMART goals can serve to keep the project on course and help identify quality problems early.

Delegates Responsibility

- Quality assurance in project management should detail not only what the benchmarks are, but who's responsible for meeting them and which stakeholder has the authority to confirm standards are being met.



Planning for Quality



- This accountability helps mitigate the risks that a project won't satisfy the client, finish on budget or stick to the schedule.
- A quality checklist that stays with the project manager can be used to serve as a reference. This helps lessen the risk of unwelcome surprises later on in the project.

Controls Costs

- A building that must remain fully functional during a flood, for example, will have different quality standards and different costs than one with a less rigorous design.



Defining Work Tasks





Thank you....