

ASANSOL ENGINEERING COLLEGE



SUBJECT – OPERATIONS RESEARCH

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TOPIC - PROJECT MANAGEMENT

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TOPIC – PROJECT MANAGEMENT CONTENTS

CONTENTS	PAGE NO.
• OVERVIEW	3
• INTRODUCTION TO PROJECT MANAGEMENT	4
• KEY POINTS ABOUT A PROJECT MANAGEMENT THESIS	5 – 6
• OPERATIONAL DEFINITION IN PROJECT MANAGEMENT	7 - 8
• QUALITY MANAGEMENT CONCEPT	9 - 11
• CONCLUSION	12

OVERVIEW



Those who have handled a project management thesis before can witness that this is not a smooth affair. The creativity, level of research, and critical thinking necessary for developing such a paper require a mature student. The greatest hurdle comes in when you want to develop your research topic. Our professional writers have everything you need to write an award-winning paper.

INTRODUCTION TO PROJECT MANAGEMENT

WHAT IS A PROJECT MANAGEMENT ?

Project management is based on the principle that all tasks are special, and thus, you should not treat two tasks as the same. It is an assignment that requires students to integrate the different processes to achieve a particular goal and deliverables

In this type of assignment, students have to develop many coordination skills and fairness in dealing with various projects. Since various tasks differ in line with their functional procedures, you have to dig deeper to determine how each yields direct and proportional earnings in the end.

KEY POINTS ABOUT A PROJECT MANAGEMENT THESIS

There are different steps involved in writing a project management paper. These will contribute to the body paragraphs' overall quality, length, and depth. The various practices involved in project management include:-

- Initiating
- Planning
- Executing
- Controlling
- Closing the work of a team

- Every project has a given time frame within which it is complete. It is the primary challenge as time constraints are always when unexpected issues arise. However, with practice, time will not be a factor anymore; it will be the motivation for completing a particular project.
- If you don't feel those skills are important to you, you can get custom dissertation help from our expert team.
- Project Manager Principle. Projects are set to fail if they're not lead by a project manager. The project manager comes up with the plan to achieve the goals of the project, and they manage the team assembled to complete those tasks.

OPERATIONAL DEFINITION IN PROJECT MANAGEMENT

Operational definition is used in many disciplines such as philosophy, psychiatry, science, business, computing, data collection, processes, and quality management. Its definition varies depending on its application, but operational definition is a clear, concise, and detailed definition of a measure. It is used so that when measurements are taken, there will be no or less room for confusion. In Grandpa's example, the duck test operational definition will keep the grandkids from counting chickens as ducks by mistake.

Operational definition is sometimes referred to as a metric set, but metrics can represent not only optional

metrics that indicate performance, but also financial metrics that can indicate capacity or potential.

Typically, operational definition tries to answer three questions:

- **What is measured:** a detailed description of the material, characteristic, or variable being measured
- **How is it measured:** a detailed description of the procedure and tools of measurement
- **When is it measured:** a detailed description of the time, period, interval, or present state before it is measured

QUALITY MANAGEMENT CONCEPT

Generally, there are three quality management concepts that help determine quality in the outcome of a project and in how it was managed.

❖ Customer satisfaction :-

Projects are usually initiated based on customer needs. Customers are involved in all the project phases: initiation, planning, execution, monitoring, and closing. Customer satisfaction is the result of understanding, managing, and meeting the requirements and expectations of customers so that they are satisfied.

❖ Cost of quality :-

Cost of quality refers to the cumulative monetary costs that enables a product or service to reach the quality standards defined by project management.

There are two categories under it:-

1) Cost of conformance :

Cost of Conformance which includes prevention costs—costs designed to prevent poor product quality from happening—and appraisal costs—costs required to evaluate at various intervals of the lifecycle including after completion.

An operational definition of what customer satisfaction is can help project managers determine whether or not the project outcome and management satisfies the customers.

Some of the ways customer satisfaction is measured are by organizing surveys and measuring the results based on answers, tracking customers issues through helpdesk software like Freshdesk, tracking repeat purchases, or tracking social media mentions and sentiment.

2) Cost of non-Conformance:

Cost of non-Conformance includes internal failure costs—costs of repair or rework before the product or service has been launched—and external failure costs—costs of repair or rework after the product or service has been launched, and may include warranty work, liabilities, or loss of business

COLCLUSION

Project quality management has three processes performed in different project phases.

- **A quality management plan is prepared at the planning stage where quality requirements for the project and the product are identified. It also documents how the project will show it has met the quality requirements.**
- **Quality assurance is performed at the execution phase to verify that processes are sufficient to produce deliverables of good quality. The project team can use process checklists and project audits.**
- **Quality control is performed at the monitoring phase to verify that the product meets the quality requirements. The project team can use peer reviews and testing. Corrective action can be taken based on the results.**



THANK YOU