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# Introduction to Project Management:

Module 1:

What is Project Management:

Tools and Methodologies used to plan and execute projects.

→ Accomplish tasks to achieve a goal and produce value.

PMP - Project Management Professional → \$75\$

CAPM - Certified Associate of Project Management → \$300\$

check if I can take this exam

CSM - Certified Scrum Master (CSM)

CSPO - Certified Scrum Product Owner (CSPO)

CompTIA

# Project Management Primer

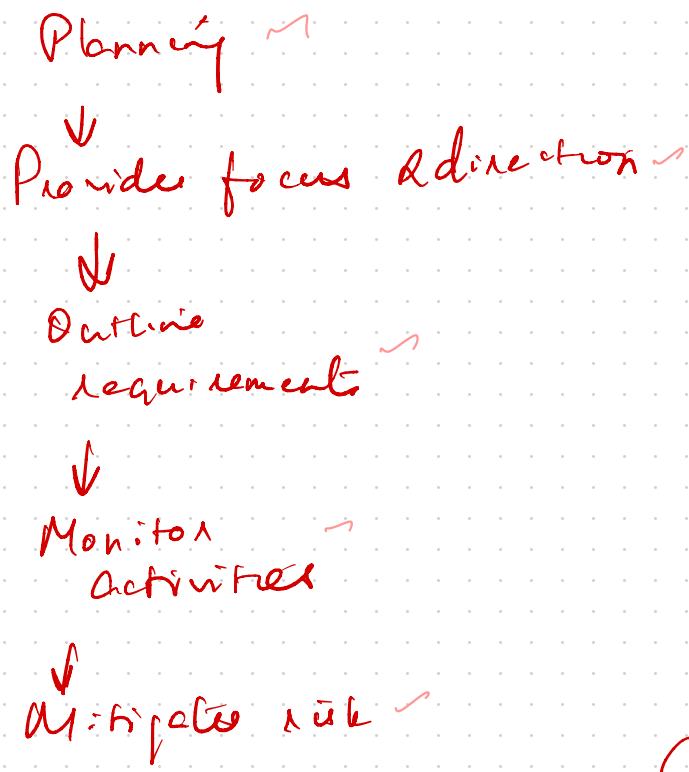
## What is PM?

Use of specific knowledge, skills, tools and techniques to deliver something of value to people.

Collection of { Tasks } activities } organized and   
 { deliverables } executed to produce value

## Effects of PM

- Increase the success rate
  - Mitigate risks
  - Reduce costs
- For teams
- Understand roles and responsibilities
  - Collaborate
  - Utilize resources



CS&R<sup>2</sup>T

CS&RRT

## Six types of constraints

Cost Scope Quality Risk Resources Time

## Benefits of Project Management:

Managing budgets & timeline

Improves productivity

Address risk

Improves Communication

Improves customer satisfaction

# Program (vs) Project (vs) Portfolio Mgmt

- Project → unique PM → ensures project is managed within constraints (CSARRT)
- Project (goals) → anticipated completion date  
→ measurable stakeholder satisfaction
- Program → group of projects meet business objectives  
mgr → ensures similar projects managed as a group  
→ Beneficial together as a whole  
→ Realize advantage for organization  
→ Provide clear value to business  
→ Temporary
- Traits  
↓  
Large  
long term  
General  
strategic
- Portfolio → Group of projects & programs  
mgr → continuous process  
→ Projects & projects keep getting added  
→ Aligns with company's strategy and goals  
→ Helps organizations meet long term objectives
- ensure all programs & project contribute to organizational goals.

# Traits of successful projects

- Within budget & time
  - Provides tools
  - Clarifies roles
  - Facilitates communication
  - Manages delivery
  - Agrees and manages risk
  - Drives Quality assurance
  - Monitors and reports risks

## Aspects →

C S Q R P T

Cost Scope Quality Resources Time  
(finance) ( )

- Project & status monitoring

→ Reporting (against requirements, budget, resources etc.)

→ Monitoring & reporting tools is needed.

# Role of project manager:-

RACI

→ a chart to keep track of all work & communication

- Responsible  
↓  
Responsible to do the work
- Accountable  
↓  
Accountable for the outcomes of work
- Consulted informed  
↓  
Consultant to provide provider expertise & receiver of information
- Manages scope, budget & resource  
budget changes → scope should be adjusted
- Gather business requirements
- Works with business analysts to execute
- Planning
- Diplomacy inspiring the teams
- Troubleshooting
- Manage relationship with stakeholders

# Module 1 Summary: What is project management?

1. Project management is the application of knowledge, skills, and tools to a project to deliver intended outcomes and produce value. It has many benefits, including managing budgets and timelines, improving productivity, addressing project risks, improving communication, and increasing customer satisfaction.
2. Project management seeks to control the scope, schedule, financials, risk, quality, and resources of a project.
3. Successful project management keeps projects within budget and on time, provides needed tools to the team, clarifies responsibilities, facilitates communication, manages delivery and risk, drives quality, and monitors and reports results
4. The three primary levers that project managers drive include time, quality, and resources.
5. A project is an endeavor that is unique, temporary, completable, and measurable, while a program is a collection of projects that is large, long-term, general, and strategic projects. A portfolio is a collection of projects and programs that is ongoing and aligns with the organization's strategic objectives.
6. Common project management resources that can be used to learn more about project management include the Project Management Body of Knowledge, or PMBOK.



Search

ENG  
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ASUS Vivobook

Project - Endeavor

↓  
unique  
temporar  
completable  
measurable

CS QR<sup>2</sup>T