

Information Technology

FIT2002 IT Project Management

https://powcoder.com

Add WeChat powcoder

Lecture 10
Project Resource Management

Video 1: Project Resource Management

Learning Objectives

- Define project resource management and understand its processes Assignment Project Exam Help
- Discuss resource impnagement than ing, in particular human resource

Add WeChat powcoder



What is Project Resource Management?

- To identify, acquire and manage the resources needed for the successful completion of the project.
- Processes includeignment Project Exam Help
 - 1. Planning resource management: defining how to estimate, acquire, management with previous leaf and resources.
 - 2. Estimate activity resources: estimating team resources and the type and quantities of material, equipment and supplies necessary to perform project work
 - Acquiring resources: getting the necessary resources and personnel required for the project



What is Project Resource Management?

- Processes include (cont...)
 - 3. Developing the project team: building individual and group skills to enhance project performance
 - 4. Managing the project team: tracking team member performance, motivating team members, providing timely feedback, resolving support Performance project performance
 - 5. Control resources: ensuring that the physical resources assigned and allocated to the project are available as planned, as well as performing corrective action as necessary



The Importance of Human Resource Management

- Many corporate executives have said, "People are our most
- important asset"
 Assignment Project Exam Help

 People determine the success and failure of organisations and projects https://powcoder.com
- Proactive organisations are addressing workforce needs by Add WeChat powcoder
 - improving benefits
 - redefining work hours and incentives
 - finding future workers

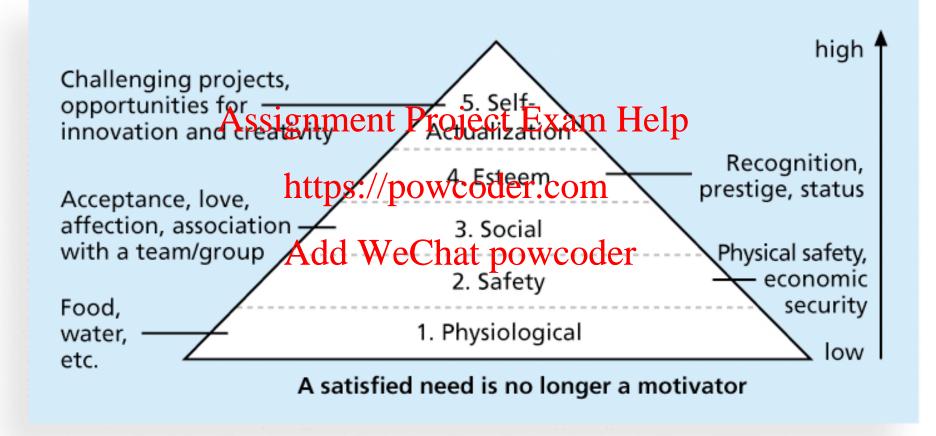


Keys to Managing People

- Psychologists and management theorists have devoted much research and thought to the field of managing people at work
- Some theories ssign tentum an estimate the second tentum and ten
 - Motivation theories Maslow, Herzberg & McGregor https://powcoder.com
 - Covey's 7 habits to improve effectiveness on projects
 - Daniel Goleman author of Emotional Intelligence and Primal Leadership
 - Emotional intelligence managing one's own emotions and understanding the emotions of others for improved performance
 - Six leadership style visionary, coaching, affiliative, democratic, pacesetting and commanding



Maslow's Hierarchy of Needs





Herzberg's Motivational and Hygiene Factors

- Frederick Herzberg wrote several famous books and articles about worker motivation. He distinguished between
 - motivational factors: pchievement, recognition, the work itself, responsibility, advancement, and growth, which produce job satisfaction nttps://powcoder.com
 - hygiene factors: cause dissatisfaction if not present, but do not motivate watkew to do not motivate watkew t



McGregor's Theory X and Y

- Douglas McGregor popularised the human relations approach to management in the 1960s
- Theory X: assumes workers dislike and apoid work, so managers must use coercion, threats and various control schemes to get workers to meet objectives https://powcoder.com
- Theory Y: assumes individuals consider work as natural as play or rest and enjoy the term and self-action needs
- Theory Z: introduced in 1981 by William Ouchi and is based on the Japanese approach to motivating workers, emphasizing trust, quality, collective decision making, and cultural values



Covey and Improving Effectiveness

- Project managers can apply Covey's 7 habits to improve effectiveness on projects
 - Be proactivessignment Project Exam Help
 - Begin with the end in mind
 - Put first things first powcoder.com
 - Think win/win Add WeChat powcoder
 - Seek first to understand, then to be understood
 - Synergise
 - Sharpen the saw



OVER 15 MILLION SOLD

Powerful Lessons in Personal Change

Video 2: Project Resource Management

Learning Objectives

 Create a human resource plan, project organisational chart, responsibility assignment Prairie, and the histogram

https://powcoder.com

Add WeChat powcoder

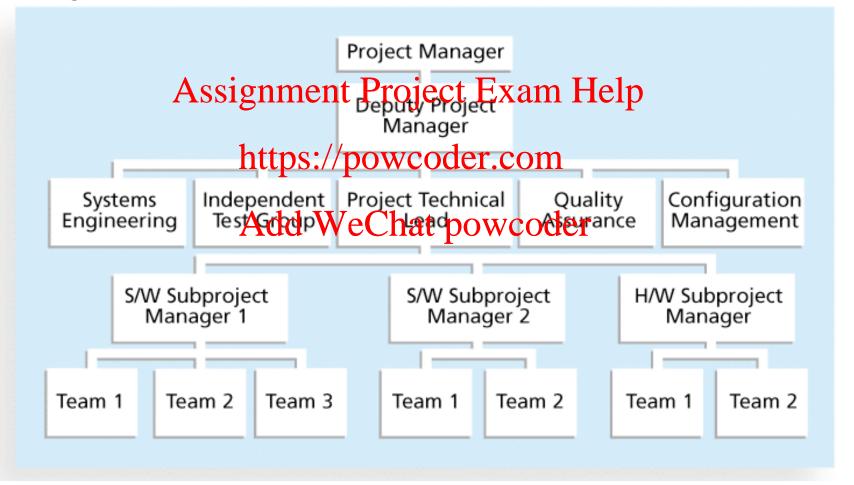


Developing the Human Resource Plan

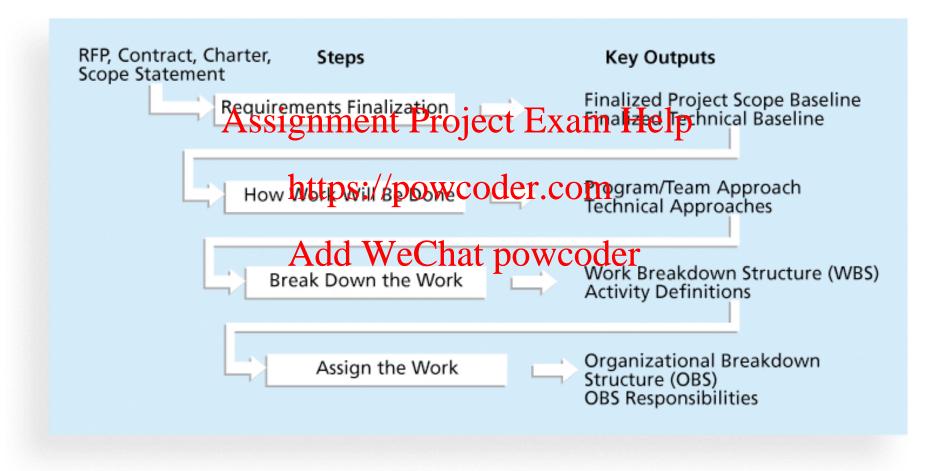
- Involves identifying and documenting project roles, responsibilities, and reporting relationships
- Contents include ignment Project Exam Help
 - project organisational charts
 - staffing management plan
 - responsibility Astignment happines oder
 - resource histograms



Sample Organisational Chart for a Large IT Project



Work Definition and Assignment Process



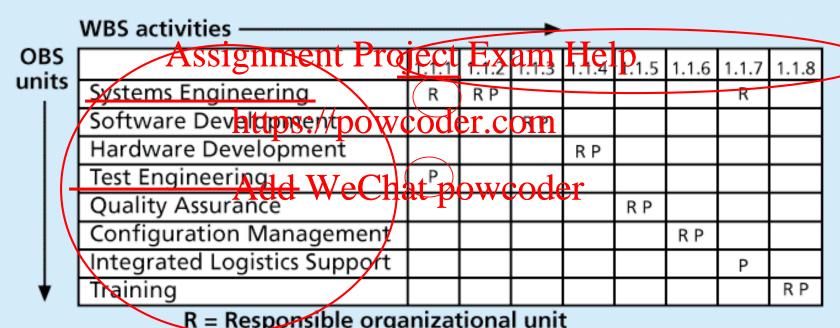


Responsibility Assignment Matrices

- A responsibility assignment matrix (RAM) is a matrix that maps the work of the project as described in the WBS to the people responsible for part project the work prodescribed in the OBS (Organisational Breakdown Structure)
- Can be created in hitter of Pways defree minique project needs
- Note: Organisation all the long that shows which organisational units are responsible for which work items



Sample Responsibility Assignment Matrix (RAM)



R = Responsible organizational unit

P = Performing organizational unit



Sample RACI Chart

	Group A	Group B	Group C	Group D	Group E
Test Plans	R	A	C	C	I
Unit Test	Assignme	nt Project	t Exam H	elp A	I
Integration Test	A 1.44	R	I	C	C
System Test	nttps:/	//powcod	er.com	I	R
User Acceptance Test	Add V	WeChat p	owcoder	R	A

R = responsibility

A = accountability, only one A per task

C = consultation

I = informed

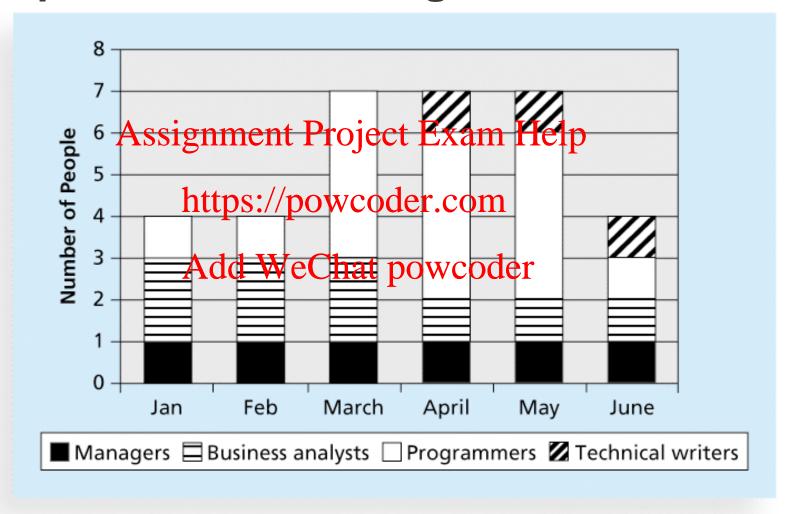


Staffing Management Plans and Resource Histograms

- A staffing management plan
 - describes when and row people will be added to and taken off the project team https://powcoder.com
 - describe how these resources would be acquired,
 trained, rewarded, we Cleans pigned oder
- A resource histogram is a column chart that shows the number of resources assigned to a project over time



Sample Resource Histogram





Video 3: *Project Resource Management*<u>Learning Objectives</u>

Assignment Project Exam Help

Understand important issues involved in project staff acquisition and explain/tpewoockertsomresource assignments, resource loading, and resource leveling Add WeChat powcoder



Acquiring the Project Team

- Acquiring qualified people for teams is crucial
- Are project managers doing a good job in recruiting?
- It's important Assissipment Appiontation people to work on projects at the appropriate times
- Staffing plans: Maintaining a complete and accurate inventory of employees' skills.
 Add WeChat powcoder

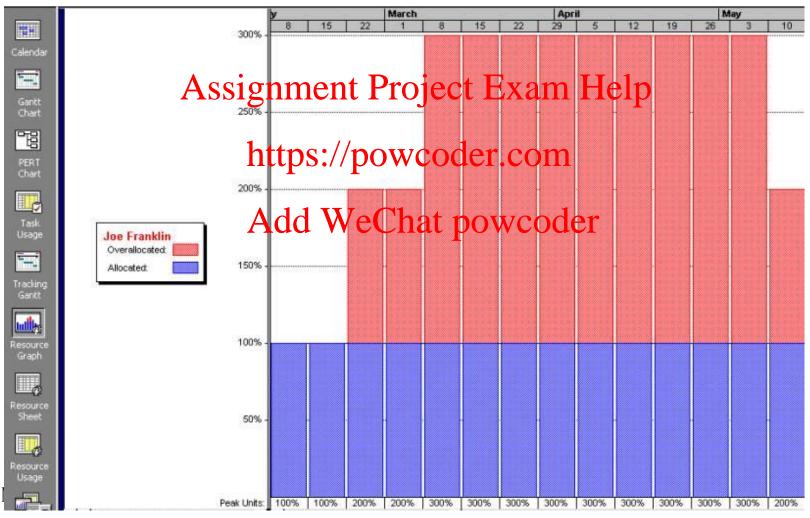


Resource Loading

- Once people are assigned to projects, two techniques are available to project managers that help them use project staff most effectively: resource leading and resource leveling. Assignment Project Exam Help
- Resource loading refers to the amount of individual resources an existing schedulaties wire wire periods
- Helps project managers develop a general understanding of the demands a project will make on the organisation's resources and individual people's schedules
- Over-allocation means more resources than are available are assigned to perform work at a given time



Sample Histogram Showing an Overallocated Individual



Resource Leveling

- Resource leveling is a technique for resolving resource conflicts by delaying tasks
- The main purpose of resource usage and reduce overallocation https://powcoder.com

Add WeChat powcoder



Benefits of Resource Leveling

- When resources are used on a more constant basis, they require less management
- It may enable Assignment Projects Example Heltime inventory type of policy for using subcontractors or other expensive resources
 https://powcoder.com
- It results in fewer problems for project personnel and accounting department
- It often improves morale



Developing the Project Team

- The main goal of team development is to help people work together more effectively to improve project performance
- It takes teamy to site to the state of the s
- Tuckman Model of Team Development: https://powcoder.com
 - Forming
 - Storming
 - Norming
 - Performing
 - Adjourning

Add WeChat powcoder



Training and Team Building Activities

- Training can help people understand themselves, each other, and how to work better in teams
- Important to make surnethat Phojeroin and delider method for the training is appropriate for specific situations and individuals
- Team building activities include
 - physical challandesWeChat powcoder
 - psychological preference indicator tools
 - Myers-Briggs Type Indicator
 - Social Styles Profile
 - DISC Profile



The DISC Profile

Compliance (Blue)

Data driven, Aisk siveriment Project Persans like lassertive, concerned, works well alone, prefers processes and procedures, not very communicatives: 5600WC

Dominance (Red)

outcome oriented, competitive, self assured, takes control, has oder com

wechalt powcoder

You Steadiness (Green)

Calm, sincere, sympathetic, cooperative, cautious, conflict averse, good listener, wants to maintain stability

We Influence (Yellow)

Persuasive, optimistic, outgoing, verbal, enthusiastic, strives to win others over, leadership through acclimation

Reward and Recognition Systems

- Team-based reward and recognition systems can promote teamwork
- Focus on rewarding tracent for a period very small telephones
- Allow time for team members to mentor and help each other to meet project goals and develop human resources

Add WeChat powcoder



Video 4: *Project Resource Management*<u>Learning Objectives</u>

Assignment Project Exam Help

Explain and apply several tools and techniques to help manage a projechtepsy/powcoder.com

Add WeChat powcoder



Managing the Project Team

- Project managers must lead their teams in performing various project activities
- After assessingsteign perfor Prenjee and kelle information, the project manager must decide
 - https://powcoder.com
 if changes should be requested to the project
 - if corrective o April vene Cenartipo systocites be recommended
 - if updates are needed to the project management plan or organisational process assets.



Tools and Techniques for Managing Project **Teams**

- Observation and conversation
- Assignment Project Exam Help Project performance appraisals
- Interpersonal skilletps://powcoder.com
- Conflict management WeChat powcoder

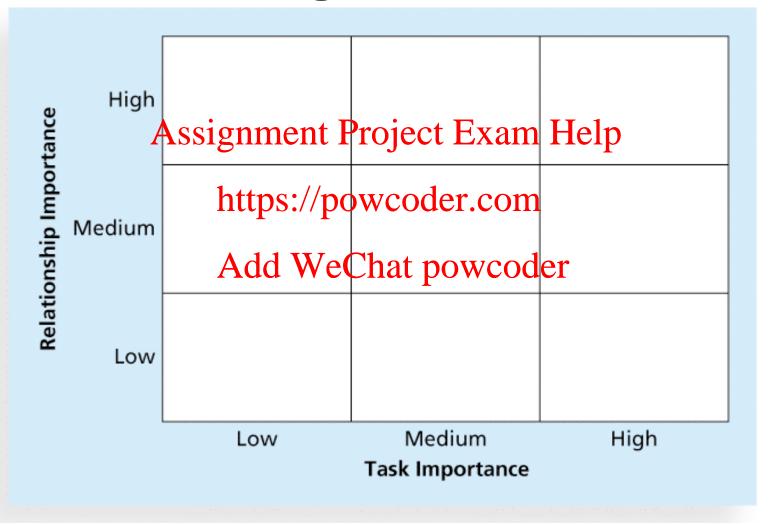


Conflict Handling Modes

- Confrontation: Directly face a conflict using a problem-solving approach
- 2. CompromisessissenaeinteParojetek Example Help
- 3. Smoothing: Detemphasize areas of difference and emphasize areas of agreement the accommodating approach
- 4. Forcing: The wind to de the control of the contr
- Withdrawal: Retreat or withdraw from an actual or potential disagreement – avoiding approach
- Collaborating: Decision makers incorporate different viewpoints and insights to develop consensus and commitment



Conflict Handling Modes



Conflict Can Be Good

- Conflict often produces important results, such as new ideas, better alternatives, and motivation to work harder and more collaboratively.
 Assignment Project Exam Help
- Groupthink: Confattpance to the Melues of ethical standards of a group. Groupthink can develop if there are no conflicting viewpoints
 Add WeChat powcoder
- Research suggests that task-related conflict often improves team performance, but emotional conflict often depresses team performance

Human Resource Management Involves Much More Than Using Software

- Patrick Lencioni: The five dysfunctions of teams are:
 - 1. Absenæssighshent Project Exam Help
 - 2. Fear of conflict
 - 3. Lack of computing howcoder.com
 - 4. Avoidance of accountability powcoder
 - 5. Inattention to results
- Project managers must
 - Treat people with consideration and respect
 - Understand what motivates them
 - Communicate carefully with them
 - Focus on goal of enabling team members to deliver their best

