



University of Malaya

Course Title :

**Software Development Management**  
(WXGC6106)

**Week 3**

**The project management process groups: A Case Study**  
(Information Technology Project Management )  
Chapter 3


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**Recall from Chapter 1 :**

**Project Management consists of 9 knowledge areas :**

integration	time	quality	communications	procurement
scope	cost	HRs	risk	

**Projects involve 5 project management groups :**

Initiating	Executing	Closing
Planning	Monitoring & Controlling	

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**Project Management Process Groups**

A process is a series of actions directed toward a particular result .

1. Initiating
2. Planning
3. Executing
4. Monitoring & Control
5. Closing

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**Project Management Process Groups ( Continue ... )**

1. Initiating Processes

Include defining and authorizing a project or project phase. To do this, someone must define the business need for the project, someone must sponsor the project, and someone must take on the role of project manager.

Initiating processes take place during each phase of project.

**You should not equate process groups with project phases.**

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**Project Management Process Groups ( Continue ... )**

1. Planning Processes

Include devising and maintaining a worktable scheme to ensure that the project addresses the organization 's needs.

There are several project plans, such as:

- Scope Management Plan
- Cost Management Plan
- Schedule Management Plan
- Procurement Management Plan

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**Project Management Process Groups ( Continue ... )**

1. Executing Processes

Include coordinating people and other resources to carry out the project plans and produce the products, services, or results of the project or phase.

Examples of executing processes:

- Directing and managing the project team
- Performing quality assurance
- Distributing information
- Selecting sellers

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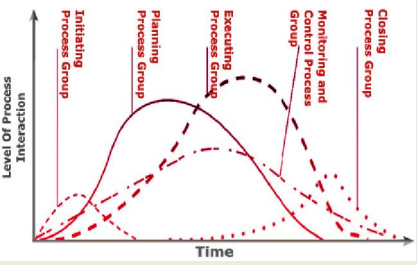
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**Project Management Process Groups ( Continue ... )**

1. Monitoring and controlling Processes

Include regularly measuring and monitoring progress to ensure that the project team meets the project objectives.



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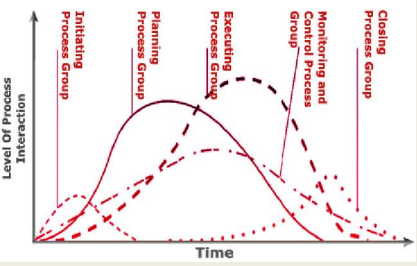
**Project Management Process Groups ( Continue ... )**

1. Closing Processes

Include formalizing acceptance of the project or project phase and ending it efficiently.

**Examples of closing processes:**

- Archiving project files
- Closing out contracts
- Documenting lesson learned
- Receiving formal acceptance



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**Mapping the project groups to knowledge areas**

	Initiating	Planning	Executing	Monitoring & Controlling	Closing
<b>Project Integration Management</b>	Develop Project Charter, Develop preliminary project scope statement	Develop project management plan	Direct and manage project execution	Monitor and control project work. Integrated change control	Close project

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**Mapping the project groups to knowledge areas (Continue...)**

	Initiating	Planning	Executing	Monitoring & Controlling	Closing
<b>Project Integration Management</b>	Develop Project Charter, Develop preliminary project scope statement	Develop project management plan	Direct and manage project execution	Monitor and control project work. Integrated change control	Close project
<b>Project Scope Management</b>		Scope planning, Scope definition, Create WBS		Scope verification, Scope control	

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Mapping the project groups to knowledge areas (Continue...)

	Initiating	Planning	Executing	Monitoring & Controlling	Closing
Project Time Management		Activity definition, Activity sequencing, Activity resource estimating, Activity duration estimating, Schedule development		Schedule Control	

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Mapping the project groups to knowledge areas (Continue...)

	Initiating	Planning	Executing	Monitoring & Controlling	Closing
Project Time Management		Activity definition, Activity sequencing, Activity resource estimating, Activity duration estimating, Schedule development		Schedule Control	
Project Cost Management		Cost estimating, Cost budgeting		Cost Control	

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Mapping the project groups to knowledge areas (Continue...)

	Initiating	Planning	Executing	Monitoring & Controlling	Closing
<b>Project Quality Management</b>		Quality Planning	Perform Quality assurance	Perform Quality Control	

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Mapping the project groups to knowledge areas (Continue...)

	Initiating	Planning	Executing	Monitoring & Controlling	Closing
<b>Project Quality Management</b>		Quality Planning	Perform Quality assurance	Perform Quality Control	
<b>Project Human Resource Management</b>		Human Resource Planning	Acquire project team, Develop project team	Manage project team	

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Mapping the project groups to knowledge areas (Continue...)

	Initiating	Planning	Executing	Monitoring & Controlling	Closing
Project Quality Management		Quality Planning	Perform Quality assurance	Perform Quality Control	
Project Human Resource Management		Human Resource Planning	Acquire project team, Develop project team	Manage project team	
Project Communication Management		<b>Communication Planning</b>	<b>Information distribution</b>	<b>Performance reporting, Manage stakeholders</b>	

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Mapping the project groups to knowledge areas (Continue...)

	Initiating	Planning	Executing	Monitoring & Controlling	Closing
Project Risk Management		<b>Risk management planning, Risk identification, Qualitative risk analysis, Quantitative risk analysis, Risk response planning</b>		<b>Risk monitoring and control</b>	

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**Mapping the project groups to knowledge areas (Continue...)**

	Initiating	Planning	Executing	Monitoring & Controlling	Closing
Project Risk Management		Risk management planning, Risk identification, Qualitative risk analysis, Quantitative risk analysis, Risk response planning		Risk monitoring and control	
Project Procurement Management		Plan purchases and acquisitions, Plan contracting	Request seller responses, Select sellers	Contract administration	Contract closure

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**Case Study**

The JWD Consulting case study demonstrates how one organization managed an information technology project from its initiation through its closure.

The case study provides several samples of outputs produced for each of process groups as follows :

Business Case	List of prioritized risks
Project charter	Milestone report
Team contract	Status reports
WBS	Lesson-learned report
Gantt chart	Final project report
Network diagram	

It's strongly recommended to review the chapter 3 for more details .

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Any questions?

