Project Management (BPM1313)

Project Integration

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Project Integration

- Aims
  - To provide more understanding and purpose of project integration to the students

- Expected Outcomes
  - Students are expected to identify and understand every processes that falls under the project integration
  - Students should be able to provide a clear picture of project integration

- Other related Information
  - PMBOK study guide

- References
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Project Integration Definition

❖ Involve coordinating all of the other project management knowledge areas through out project life cycle.

❖ There are SIX (6) main processes involved in project integration

- Develop **project charter**
- Develop **project management plan**
- Directing and managing **project execution**

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Project Integration Definition

❖ Monitoring and controlling **project work**

❖ Performing **integrated change control**

❖ **Closing** the project or phase

Project Integration Processes

❖ **Develop the project charter**: Work with stakeholders to create the document that **formally authorizes** a project—the charter.

❖ **Develop the project management plan**: Coordinate all planning efforts to create a **consistent, coherent document**—the project management plan.

Project Integration Processes

❖ **Direct and manage project execution**: Carry out the project management plan by **performing the activities included** in it.

❖ **Monitor and control the project work**: Oversee project work **to meet the performance objectives** of the project.

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Project Integration Processes

❖**Perform integrated change control**: **Coordinate changes that affect the project's deliverables** and organizational process assets.

❖ **Close the project**: Finalize all project activities to **formally close** the project.

Why do we Manage Integration?

❖ Manage change and communication

❖ Reduce project time and cost

❖ Involve stakeholders early and often

❖ Make results visible

❖ Identify problem/solution early

❖ Use relevance experience as early as possible

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Why do we Manage Integration?

❖ PM – integrator for the project that executes processes.

❖ Team Members – Concentrate on completing tasks, activities and work package.

❖ Project Sponsors – Protect project from changes and losing resources.

PM Responsibility for Change

❖ Influence factors that affect change

❖ Ensure change in beneficial

❖ Determine if a change has occurred

❖ Determine if change is needed

❖ Look for alternatives to change

❖ Minimize negative impact from change

❖ Notify stakeholders impacted by change

❖ Managing those changes that do occur according to project plan

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The key to project success – Good Project Integration?

❖ PM must coordinate all the knowledge areas throughout a project life cycle

❖ Many new PM have problems looking at the big picture on want to focus on too many details

❖ Project integration management is not the same thing as software integration

Project Integration Management Overview

Project Integration Management Overview

4.1 Develop Project Charter

.1 Inputs
 .1 Project statement of work
 .2 Business case
 .3 Agreements
 .4 Enterprise environmental factors
 .5 Organizational process assets

.2 Tools & Techniques
 .1 Expert judgment
 .2 Facilitation techniques

.3 Outputs
 .1 Project charter

4.2 Develop Project Management Plan

.1 Inputs
 .1 Project charter
 .2 Outputs from other processes
 .3 Enterprise environmental factors
 .4 Organizational process assets

.2 Tools & Techniques
 .1 Expert judgment
 .2 Facilitation techniques

.3 Outputs
 .1 Project management plan

4.3 Direct and Manage Project Work

.1 Inputs
 .1 Project management plan
 .2 Approved change requests
 .3 Enterprise environmental factors
 .4 Organizational process assets

.2 Tools & Techniques
 .1 Expert judgment
 .2 Project management information system
 .3 Meetings

.3 Outputs
 .1 Deliverables
 .2 Work performance data
 .3 Change requests
 .4 Project management plan updates
 .5 Project documents updates

4.4 Monitor and Control Project Work

.1 Inputs
 .1 Project management plan
 .2 Schedule forecasts
 .3 Cost forecasts
 .4 Validated changes
 .5 Work performance information
 .6 Enterprise environmental factors
 .7 Organizational process assets

.2 Tools & Techniques
 .1 Expert judgment
 .2 Analytical techniques
 .3 Project management information system
 .4 Meetings

.3 Outputs
 .1 Change requests
 .2 Work performance reports
 .3 Project management plan updates
 .4 Project documents updates

4.5 Perform Integrated Change Control

.1 Inputs
 .1 Project management plan
 .2 Work performance reports
 .3 Change requests
 .4 Enterprise environmental factors
 .5 Organizational process assets

.2 Tools & Techniques
 .1 Expert judgment
 .2 Meetings
 .3 Change control tools

.3 Outputs
 .1 Approved change requests
 .2 Change log
 .3 Project management plan updates
 .4 Project documents updates

4.6 Close Project or Phase

.1 Inputs
 .1 Project management plan
 .2 Accepted deliverables
 .3 Organizational process assets

.2 Tools & Techniques
 .1 Expert judgment
 .2 Analytical techniques
 .3 Meetings

.3 Outputs
 .1 Final product, service, or result transition
 .2 Organizational process assets updates

Source: carlosproal.com

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- This chapter provides more detail explanation of integration management to the students

- Likewise, why integration needs to be well managed to achieve a project success

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