

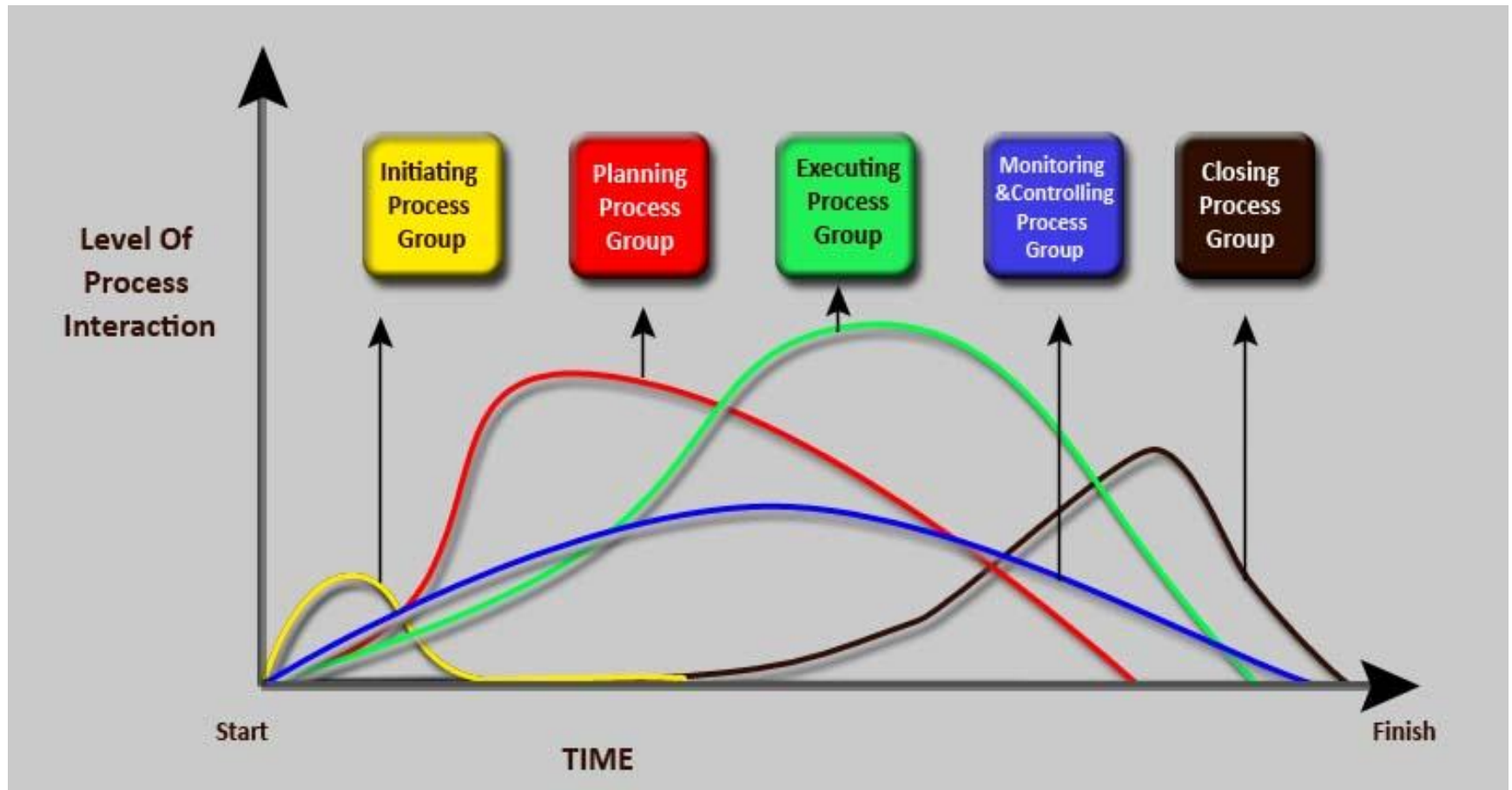
# Project Management Process Overview



# Project Management Process Group

- Initiating
- Planning
- Executing
- Monitoring and Controlling
- Closing

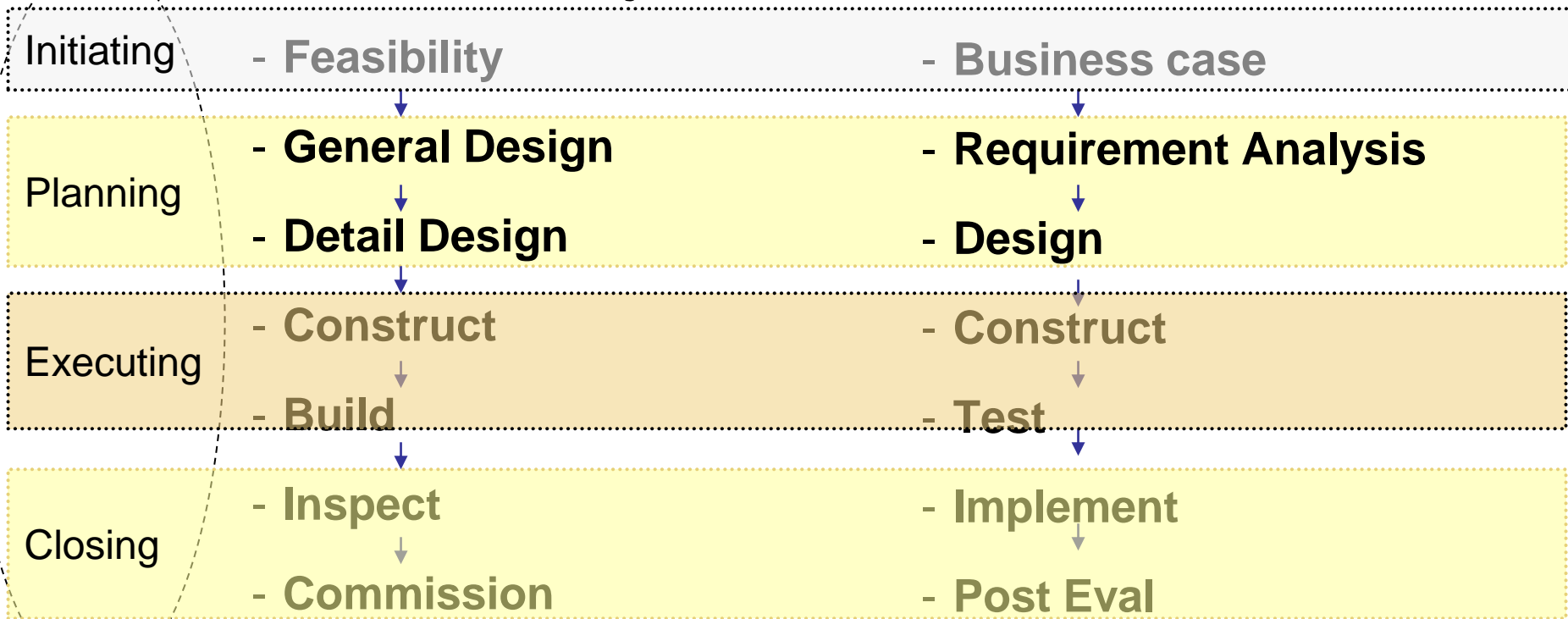
# Project Process Groups



# Project Phases - Example

## ■ Construction Project

## ■ e-Governance Initiative



Monitoring and Controlling surrounds the Initiating through Closing process groups.

# Group Activity

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*Discuss the phases in your e-Governance projects..*

# Knowledge Areas

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- Project Integration Management
- Project Scope Management
- Project Time Management
- Project Cost Management
- Project Quality Management
- Project Human Resource Management
- Project Communication Management
- Project Risk Management
- Project Procurement Management
- Project Stakeholder Management

# Project Integration Management

Includes Processes and activities needed to **identify, define, combine, unify and coordinate** the various process and Project Management activities

- Develop Project Charter
- Develop Project Management Plan
- Direct and Manage Project Work
- Monitor and Control Project Work
- Perform Integrated Change Control
- Close Project or Phase



# Project Integration Management

Initiating	Planning	Executing	M and C	Closing
1. Develop Charter	2. Develop Project Management Plan	3. Direct and Manage Project work	4. Monitor and Control Project Work  5. Integrated Change Control	6. Close Project or Phase



# Project Scope Management

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Include the processes required to ensure that the Project includes **all the work required and only the work required** to complete the Project successfully.

- Plan Scope Management
- Collect Requirements
- Define Scope
- Create WBS (Work Breakdown Structure)
- Validate Scope
- Control Scope



# Project Scope Management

Initiating	Planning	Executing	M and C	Closing
	1. Plan Scope Management 2. Collect Requirements 3. Define Scope 4. Create WBS		5. Validate Scope 6. Control Scope	

# Project Time Management

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Include processes required to manage the **timely completion** of Project.

- Plan Schedule Management
- Define Activities
- Sequence Activities
- Estimate Activity Resource
- Estimate Activity Duration
- Develop Schedule
- Control Schedule



# Project Time Management

Initiating	Planning	Executing	M and C	Closing
	<ol style="list-style-type: none"><li>1. Plan Schedule Management</li><li>2. Define Activity</li><li>3. Sequence activities</li><li>4. Estimate activity Resources</li><li>5. Estimate Activity Duration</li><li>6. Develop Schedule</li></ol>		<ol style="list-style-type: none"><li>7. Control Schedule</li></ol>	

# Project Cost Management

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Includes processes involved in estimating, budgeting, financing, funding, managing and controlling costs so that the Project can be completed within the approved **budget**

- Plan Cost Management
- Estimate Costs
- Determine Budget
- Control Costs



# Project Cost Management

Initiating	Planning	Executing	M and C	Closing
	<ol style="list-style-type: none"><li>1. Plan Cost Management</li><li>2. Estimate Costs</li><li>3. Determine Budget</li></ol>		<ol style="list-style-type: none"><li>4. Control Costs</li></ol>	

# Project Quality Management

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Include processes and activities of the performing organization that determine quality policies, objectives, and responsibilities to that the Project will **satisfy the needs for which it was undertaken.**

- Plan Quality Management
- Perform Quality Assurance
- Quality Control



# Project Quality Management

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Initiating	Planning	Executing	M and C	Closing
	1. Plan Quality Management	2. Perform Quality Assurance	3. Quality Control	



# Project HR Management

Includes the processes that **organize, manage, and lead the Project team**

- Plan Human Resources Management
- Acquire Project Team
- Develop Project Team
- Manage Project Team



# Project HR Management

Initiating	Planning	Executing	M and C	Closing
	1. Project Human Resource Management	2. Acquire Project Team 3. Develop Project Team 4. Manage Project Team		

# Project Communications Management

Includes the processes required to ensure timely and appropriate **Planning, Collection, Creation, Distribution, Storage, Retrieval Management, Control, Monitoring** and ultimate disposition of Project information.

- Plan Communication Management
- Manage Communications
- Control Communications



# Project Communication Management

Initiating	Planning	Executing	M and C	Closing
	1. Plan Communication Management	2. Manage Communication	3. Control Communications	

# Project Risk Management

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Includes the Processes of conducting risk Management **Planning, Identification, Analysis, Response Planning, and Controlling risk** on a Project

- Plan Risk Management
- Identify Risks
- Perform Qualitative Risk Analysis
- Perform Quantitative Risk Analysis
- Plan Risk Responses
- Control Risks



# Project Risk Management

Initiating	Planning	Executing	M and C	Closing
	<ol style="list-style-type: none"><li>1. Plan Risk Management</li><li>2. Identify Risks</li><li>3. Perform Qualitative Risk Analysis</li><li>4. Perform Quantitative Risk Analysis</li><li>5. Plan Risk Responses</li></ol>		<ol style="list-style-type: none"><li>6. Control Risk</li></ol>	

# Project Procurement Management

Includes the processes necessary to purchase or **acquire products, services, or results** needed from **outside the Project team** to perform the work.

- Plan Procurement Management
- Conduct Procurements
- Control Procurements
- Close Procurements

# Project Procurement Management

Initiating	Planning	Executing	M and C	Closing
	1. Plan Procurement Management	2. Conduct Procurement	3. Control Procurement	4. Close Procurement



# Project Stakeholder Management

Includes the process required to identify the people, groups, or organizations that impacted by the Project to analyze Stakeholder expectations

- Identify Stakeholders
- Plan Stakeholder Management
- Manage Stakeholder Engagement
- Control Stakeholder Engagement



# Project Stakeholder Management

Initiating	Planning	Executing	M and C	Closing
1. Identify Stakeholders	2. Plan Stakeholder Management	3. Manage Stakeholder Engagement	4. Control Stakeholder Engagement	

# Initiating Process Group

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- Deals with processes that are required to define a new Project or a new phase of an existing Project
- Key Processes of Initiating Process Group:
  - Develop Project Charter
  - Identify Stakeholders



# Planning Process Group

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- Establishes Project Scope, Refine Objectives, and Define Course of Action Required to achieve Project Objectives
- Key Processes of Planning Process Group:
  - Develop Project Management Plan
  - Plan Scope Management
  - Collect Requirements
  - Define Scope
  - Create WBS

# Planning Process Group

- Key Processes of Planning Process Group:

- Plan Schedule Management
- Define Activities
- Sequence Activities
- Estimate Activity Resources
- Plan Quality Management
- Plan Human Resource Management
- Plan Communications Management

6 P's : **P**roper **P**lanning **P**revents **P**oor **P**roject **P**erformance

- Plan Cost Management
- Estimate Costs
- Determine Budget
- Perform Qualitative Risk Analysis
- Perform Quantitative Risk Analysis
- Plan Risk Responses
- Plan Procurements Management
- Plan Stakeholder Management



# Executing Process Group

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- Processes that are required to be performed to complete the work as defined in the Project Management plan to satisfy the Project specification
- Key Processes of Execution Process Group:
  - Direct and Manage Project Work
  - Perform Quality Assurance
  - Acquire Project team
  - Develop Project Team
  - Manage Project Team
  - Manage Stakeholder Expectation
  - Conduct Procurements
  - Manage Stakeholder Engagement



# Monitor and Control Process Group

- Processes that are required to be performed to track, review, and regulate the progress and performance of the Project
- Key Processes of Monitor and Control Process Group:
  - Monitor and Control Project Work
  - Perform Integrated Change Control
  - Validate Scope
  - Control Scope
  - Control Schedule
  - Control Costs
  - Control Quality
  - Control Communications
  - Control Risks
  - Control Procurements
  - Control Stakeholder Engagement



# Closing Process Group

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- Processes that are required to finalize all activities across all Process Groups to formally Close the Project or Phase
- Key Processes of Closing Process Group:
  - Close Project or Phase
  - Close Procurements





# Project Management Process Distribution

Process Groups	Knowledge Areas										Total
	Project Integration	Project Scope	Project Time	Project Cost	Project Quality	Project HR	Project Communication	Project Risk	Project Procurement	Project Stakeholder	
<b>Initiating</b>	1									1	<b>2</b>
<b>Planning</b>	1	4	6	3	1	1	1	5	1	1	<b>24</b>
<b>Executing</b>	1				1	3	1		1	1	<b>8</b>
<b>Monitoring &amp; Control</b>	2	2	1	1	1		1	1	1	1	<b>11</b>
<b>Closing</b>	1								1		<b>2</b>
<b>Total</b>	<b>6</b>	<b>6</b>	<b>7</b>	<b>4</b>	<b>3</b>	<b>4</b>	<b>3</b>	<b>6</b>	<b>4</b>	<b>4</b>	<b>47</b>



# Process Model

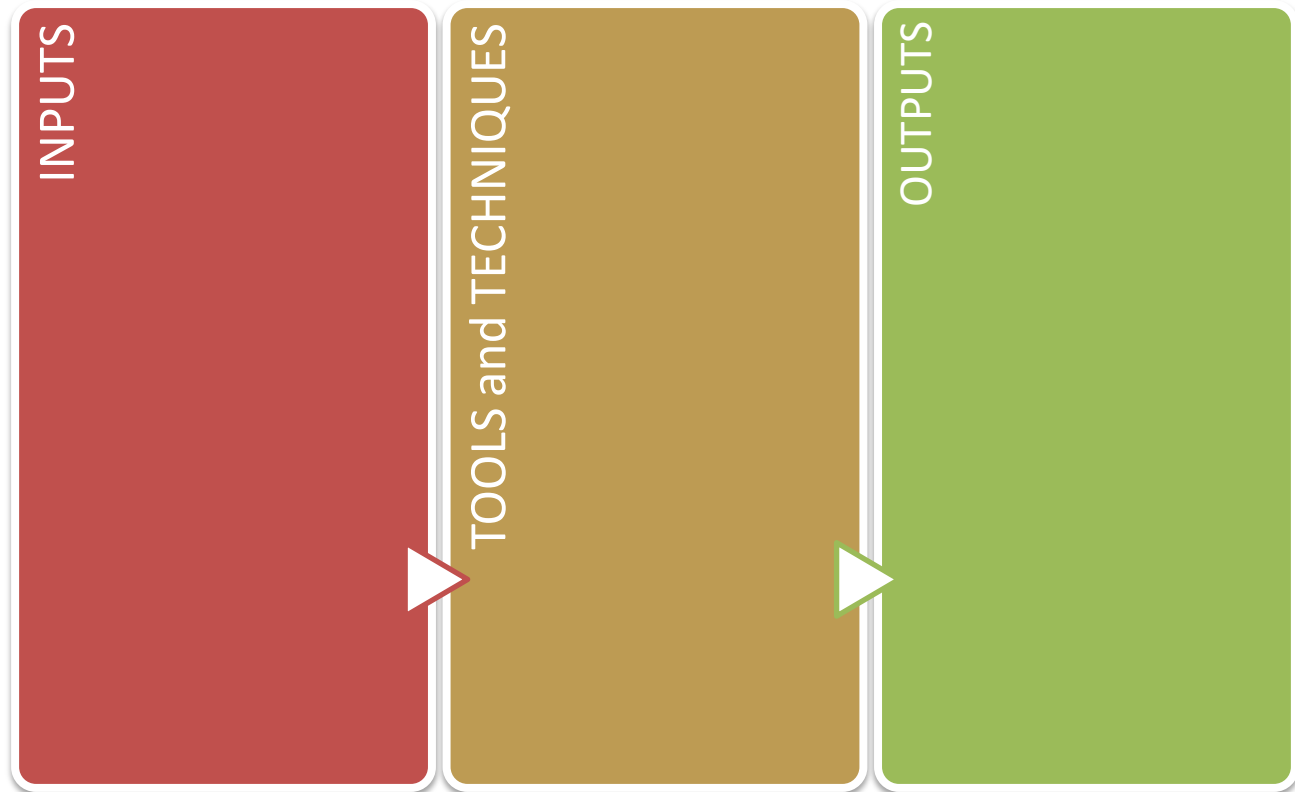
## Inputs, Tools & Techniques, Outputs (ITTO)



INPUTs and OUTPUTs are documents or Documentable items

Tools & Techniques (or PROCESSES) are mechanisms applied to INPUTs to create OUTPUTs

# Process Model



Inputs, Tools and Techniques and Outputs

# Summary

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- Discussion Topic
- Q and A

