

# Project dependency matrix

## Dependency Matrix of Different Project Phases

Role																				
Project Deliverable (Or Activity)	Executive Sponsor	Project Sponsor	Role 3	Role 4	Role 5	Project Manager	Team Lead	Project Executive	Role 4	Role 5	Developer	Analyst	Role 3	Role 4	Role 5	Consultant	Role 2	Role 3	Role 4	
	Project Leadership					Project Team Members					Project Sub-teams					External Resources				
Initiate Phase Activities																				
Raise Project Request	A/C	R/A				R/A	A/C		C											
Submit Project Request						R												A		
Text Here	I					R/A	A/C	A/C	C				C			C				
Text Here	I	A/C	I	I		R/A	C	C	C				C			C	C			
Plan Phase Activities																				
Create Project Charter	Text																			
Create Schedule		Text					Text		Text	Text										Text
Text Here												Text				Text				
Execute Phase Activities			Text		Text				Text		Text									Text
Crate Project Timeline	Text		Text			Text					Text							Text		
Text Here			Text		Text	Text			Text						Text					
Control Phase Activities	Text										Text							Text	Text	
Text Here	Text					Text					Text			Text						
Close Phase Activities			Text		Text				Text	Text								Text	Text	
Text Here						Text					Text			Text						
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- **Dependence structure Matrix (DSM)** is a square matrix used to illustrate the project dependencies.
- What other tasks depend on the results of one job should be clear from a short glance at the DSM.
- One of its biggest benefits is how compactly it represents complex systems graphically.

Dependency Matrix of Projects with their Attributes

Projects	Score	Size	EOI	Transformation	Regulatory	Cuts Satisfaction	New Business	Cost Savings	Keep The Business Running (1)
Project 1	Text Here	M	2	Yes		No	Yes		
Project 2	Text Here	XL	5		Yes				
Project 3	Text Here	S	3	Yes					
Project 4	Text Here	L	1		Yes				Yes
Project 5	Text Here	M	5			Yes	Yes		
Project 6	Text Here	XL	4					Yes	
Project 7	Text Here	L	3	No					Yes
Project 8	Text Here	M	2	Yes			Yes		
Project 9	Text Here	XS	5						
Project 10	Text Here								
Project 11	Text Here								
Project 12	Text Here								

EOI = Ease of Implementation

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## Project description :

The following information is provided to applicants in project descriptions:

- the problem the project will address
- a list of goals for the project
- a summary of the project's overarching objectives
- a project plan outlining the tasks the members will carry out.

## Dependency Matrix of Project Description

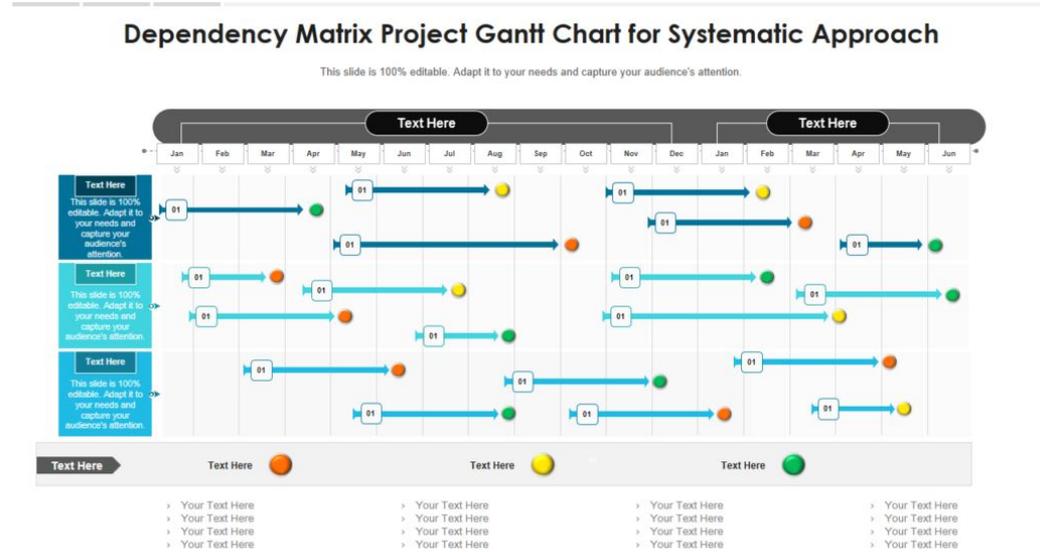
Initiative	Contribution To Strategy	Cost Savings	Payback Period	Resource Requirements (Personal And Knowledge)	Execution Risk	Weighted Total Rating
<b>Weighting</b>	Text Here	Text Here	Text Here	Text Here	Text Here	100%
<b>Assessment</b>	Low Medium High Critical	< \$1.5 \$1.5-\$6.5 \$11.5-\$16.5 >\$16.5	<1 Year 1y-5y >5 Year	High Medium Low Minimal	High Medium Low Minimal	Text Here
<b>Project 1</b>	Text Here	Text Here	Text Here	Text Here	Text Here	Text Here
<b>Project 2</b>	Text Here	Text Here	Text Here	Text Here	Text Here	Text Here
<b>Project 3</b>	Text Here	Text Here	Text Here	Text Here	Text Here	Text Here
<b>Project 4</b>	Text Here	Text Here	Text Here	Text Here	Text Here	Text Here
<b>Project 5</b>	Text Here	Text Here	Text Here	Text Here	Text Here	Text Here
<b>Project 6</b>	Text Here	Text Here	Text Here	Text Here	Text Here	Text Here
<b>Project 7</b>	Text Here	Text Here	Text Here	Text Here	Text Here	Text Here
<b>Project 8</b>	Text Here	Text Here	Text Here	Text Here	Text Here	Text Here
<b>Project 9</b>	Text Here	Text Here	Text Here	Text Here	Text Here	Text Here

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# Dependencies on Gantt Chart :

- The connections between tasks are described through dependencies.
- Use them to signal the start or finish of an activity in respect to other tasks.
- Dependencies show up as lines connecting two tasks or connecting a task to a milestone on the Gantt chart.



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- The **Project Prioritization Matrix** is an organised technique to working on what matters most for the project's' stakeholders.
- A prioritisation matrix is a straightforward tool that offers a means to rank a wide range of objects according to priority.

## Project Deal Prioritization Matrix

This slide shows project deal prioritization matrix. Deal are prioritized based on parameters such as strategic fit, economic impact and feasibility.

Project Name	Strategic Fit			Economic Impact			Feasibility			Total Rating
	Alignment with company goals	Add text	Add text	Revenue Potential	Add text	Add text	Resources Availability	Add text	Add text	
Weightage	15	10	10	15	10	10	10	10	10	100
Project 1	11	7	8	12	9	7	8	7	9	80
Project 2	12	7	8	11	9	9	8	9	8	81
Project 3	9	8	9	10	7	8	9	9	8	77



**Key Takeaway**

- Firm will go for project 2, as it is scoring highest rating in terms of strategic fit, economic impact and feasibility.
- Add text

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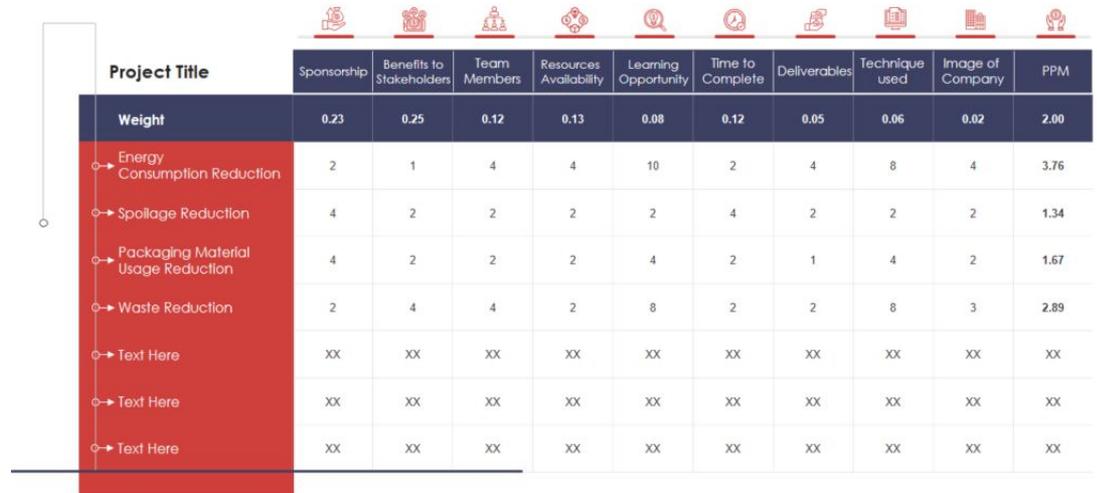


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## Creating a Project Prioritization Matrix:

- You must first compile a list of potential projects before you can develop a project prioritisation matrix.
- Then, enter the scores for each item after determining your selection criteria and their weights.
- Compare the results to choose your subsequent project.
- Use the most appropriate matrix for the task.

### Project Prioritization Matrix with Resource Ability Scorecard



The table is a project prioritization matrix with 11 columns representing different criteria and 8 rows representing project items. The criteria are: Sponsorship, Benefits to Stakeholders, Team Members, Resources Availability, Learning Opportunity, Time to Complete, Deliverables, Technique used, Image of Company, and PPM. The first row shows the weights for each criterion. The subsequent rows show scores for each project item, with the final column (PPM) showing the calculated total score for each item. The first three rows have numerical scores, while the last three rows have 'XX' in the score columns.

Project Title	Sponsorship	Benefits to Stakeholders	Team Members	Resources Availability	Learning Opportunity	Time to Complete	Deliverables	Technique used	Image of Company	PPM
<b>Weight</b>	0.23	0.25	0.12	0.13	0.08	0.12	0.05	0.06	0.02	2.00
→ Energy Consumption Reduction	2	1	4	4	10	2	4	8	4	3.76
→ Spoilage Reduction	4	2	2	2	2	4	2	2	2	1.34
→ Packaging Material Usage Reduction	4	2	2	2	4	2	1	4	2	1.67
→ Waste Reduction	2	4	4	2	8	2	2	8	3	2.89
→ Text Here	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX
→ Text Here	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX
→ Text Here	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX

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# FAQs

## How to create a dependency matrix?

- Choose an element that can be the generic table's owner from the Containment tree.
- Choose one of these: Choose Diagrams > Create Diagram from the main menu.
- The matrix's name should be typed.
- Decide on the matrix's criteria.
- Refresh by clicking the button. Created is the matrix.

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## How to show dependencies on Gantt chart?

- After clicking + View, choose Gantt. To visualise your workflow, assign due dates to your activities.
- Then, drag links between jobs to quickly show dependencies and relationships between them.

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## What is a Six sigma prioritization method?

- Another definition of a prioritising matrix is a particular Six Sigma technique for continuous improvement.
- The Six Sigma technique uses it as one of the seven management tools.
- A prioritising matrix is a graphical representation used in this context to compare multiple (at least two) kinds of data using weighted criteria.

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