**[A green sign with white text

Description automatically generated with medium confidence](https://www.smartsheet.com/try-it?trp=11905&utm_source=template-word&utm_medium=content&utm_campaign=Gantt+Chart+PERT+CPM+Compatibility+Matrix-word-11905&lpa=Gantt+Chart+PERT+CPM+Compatibility+Matrix+word+11905)Gantt Chart, PERT, CPM Compatibility Matrix**

Instructions:

1. Print out the matrix; then gather a set of highlighters or colored pens.

2. Highlight each "I Want to" item according to its importance: green for "must-have," yellow for "nice-to-have," and red for "not necessary."

3. Compare each method's column for green "yes" responses; then consider yellow "yes" responses to determine which method best aligns   
 with your highlighted priorities.

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| **I Want to...** | **CPM** | **PERT** | **Gantt** | **CPM + PERT** |
| Analyze large and complex projects | Yes | Yes | No | Yes |
| Use the critical path to determine project duration | Yes | Yes | No | Yes |
| Focus on time, schedule, and resource allocation | Yes | No | Yes | Yes |
| Understand task acceleration techniques like crashing | Yes | No | No | Yes |
| Assess projects with variable and uncertain time frames | No | Yes | No | Yes |
| Accelerate project completion by identifying essential tasks | Yes | Yes | No | Yes |
| Adjust the schedule when unforeseen challenges arise | Yes | No | No | Yes |
| Simplify project management for small projects | No | No | Yes | No |
| Avoid complexity and extensive data collection | No | No | Yes | No |
| Obtain a quick and easy-to-understand visualization | No | No | Yes | No |
| Focus solely on task durations and not on task dependencies | No | No | Yes | No |

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