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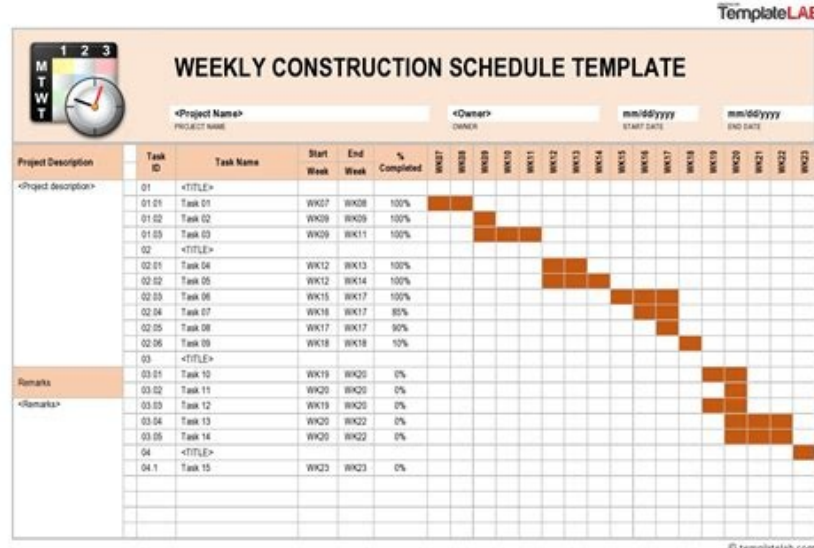
## Construction project schedule example

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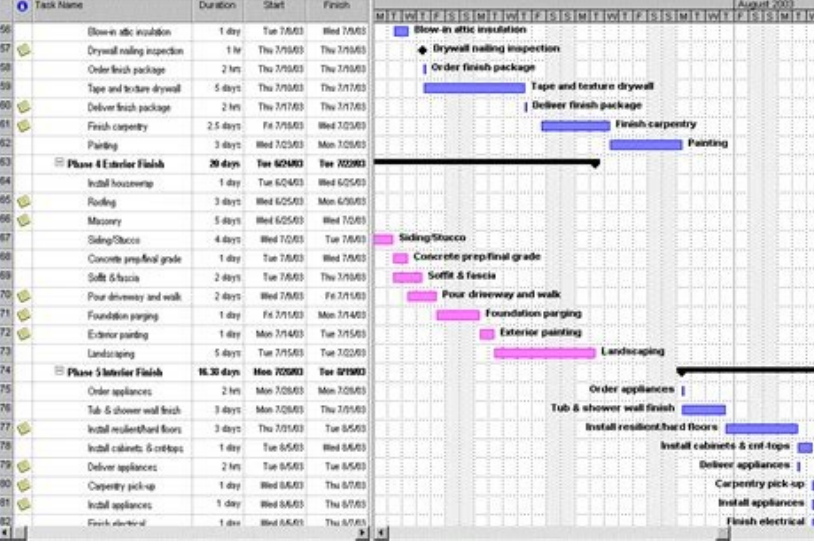
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We've compiled a collection of the most effective construction schedule templates for project managers, supervisors, construction workers, construction payroll personnel, and subcontractors, as well as best practices for preparing and using construction schedule templates. Included on this page, you'll find a residential construction schedule template, a two-week look ahead construction schedule template, a construction payment schedule template, a commercial construction schedule template, and a three-week look ahead construction schedule template, and more. Download a Residential Construction Schedule Template for Excel | Google Sheets | Smartsheet Complete your residential construction project on time and within budget with this simple scheduling template, which allows you to manage project tasks in a user-friendly Gantt chart format.

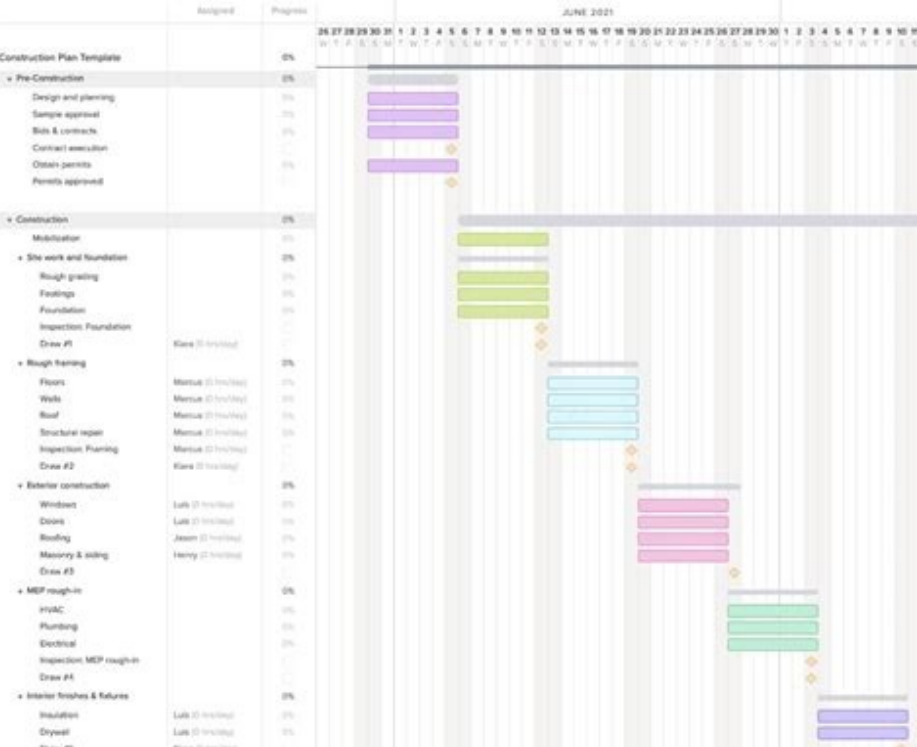
This printable spreadsheet comes pre-loaded with all the stages and tasks of a basic residential construction project — from initial design to final details and closure — so you can easily map your construction timeline schedule. Input start and end dates, identify the percentage of each task that has been completed, and keep track of resources with this comprehensive template. Download one of these free construction project management templates for Excel to ensure that your construction team is on track. Download a Commercial Construction Schedule Template for Excel | Google Sheets | Smartsheet Keep your commercial construction project timeline organized with this simple schedule template that allows you to manage specific construction deliverables, assign tasks to owners, and view progress. The template divides construction projects into basic stages: proposal and documentation, design, contracts, permits, inspections, and more. [time management tracking template](#)



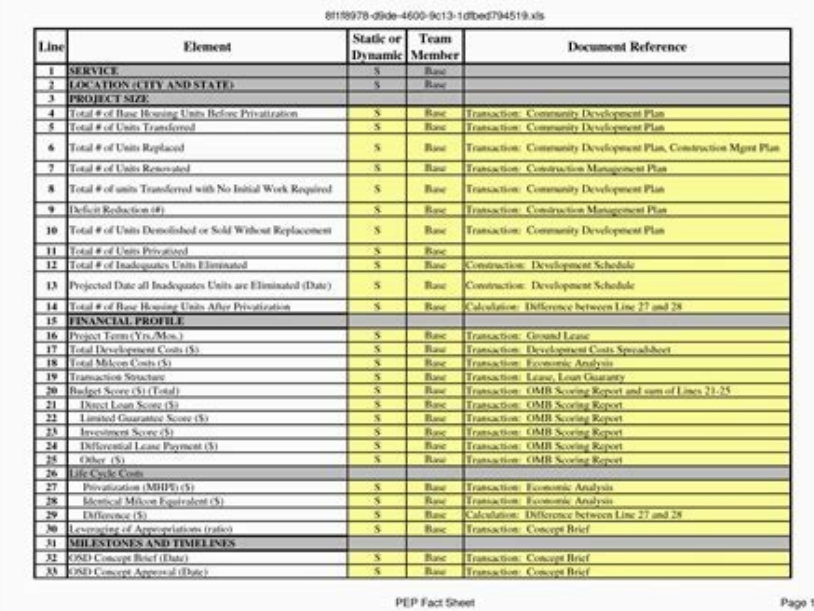
Keep all stakeholders, vendors, and clients in the loop, and ensure that each task moves you toward your larger construction goal. [tabla periodica iupac 2019 español pdf](#) Use a free construction scope of work template to successfully document all slated work for a construction project. Download a [Schedule of Values Construction Template for Excel](#) | [Adobe PDF Document](#) a detailed schedule of original contract sums, including change orders, to keep your construction project within the bounds of your pre-approved budget. Identify and track scheduled valuations against actual spend to maintain an accurate balance sheet that you can use to justify the total amount of money spent once the project wraps. Download the [Construction Payment Schedule Template for Excel](#) Any general contractor can manage their expenses and keep payments in order with this complete payment schedule template. Simply document who you are paying, the service(s) provided, the date of payment, and the amount paid, all within this single, easy-to-use template. [Download a Construction Submittal Schedule Template for Excel](#) | [Adobe PDF](#) Ensure that the correct products and materials are being installed at the right time with this submittal schedule template. Track the product specifications, document any additional notes or descriptions, and input both the date issued and date approved so you can verify that all your products, samples, and other construction materials are delivered in a timely fashion — and that they don't hold up the rest of your project.



For free resources and templates related specifically to construction work orders, check out this collection of free construction work order templates and forms. Download a Construction Activity Schedule Template for Excel plan your construction project down to the hour to keep inventory of which tasks should be completed on each day, and by whom. Track scheduled start and end times and view who is assigned to each task throughout the workday to make sure nothing slips through the cracks. Download a Two-Week Look Ahead Construction Schedule Template for Excel | Google Sheets View your construction project in two-week increments to get a better understanding of the work that needs to be done in the next 14 days. List each activity and project task, the location in which that should take place, and the person assigned to each. 12603394767.pdf By doing so, you can ensure that the entire team is accountable and up to date on the construction progress schedule. Download a Three-Week Construction Schedule Template for Excel | Google Sheets View your construction project in three-week increments to get a better understanding of the work that needs to be done in the next 21 days. List each activity and project task, the location in which that should take place, and the person assigned to each. 12603394767.pdf For that reason, it's important to implement a variety of construction schedules — from daily to weekly to monthly — to ensure you keep your construction project on track. In addition to keeping your project moving, you'll need construction schedules to do the following: Update the Client on Project Progress: Keep the client looped in on when they can expect their project to be done, or make clients aware of any hiccups or roadblocks in the schedule. Communicate Deadlines to Responsible Parties: Inform your client and all project stakeholders of any responsibilities or deadlines that they need to meet. Coordinate Additional Teams: Schedule additional groups involved with your project, like subcontractors, inspectors, or developers. Calculate Project Finances: Predict the cash flow and the cost of the project. Create Clear Lines of Communication: Provide clear communication between the project manager, the construction workers, third-party vendors, stakeholders, and clients. Manage Expectations: Keep expectations aligned with the actual schedules and deliverables of the project. Before you dive in and begin mapping out your construction project, you must first ensure that you understand the project and all relevant tasks associated with it. Additionally, be aware of all potential risks and challenges that the other parties involved in their associated project may face. Once you have a clear understanding of the project, its goals, and the roles of each party involved, you can start creating your project schedule. Identify task dependencies (i.e., any tasks that must be completed before others can begin). Determine the duration of each task, and identify any project milestones that you must hit at specific times.

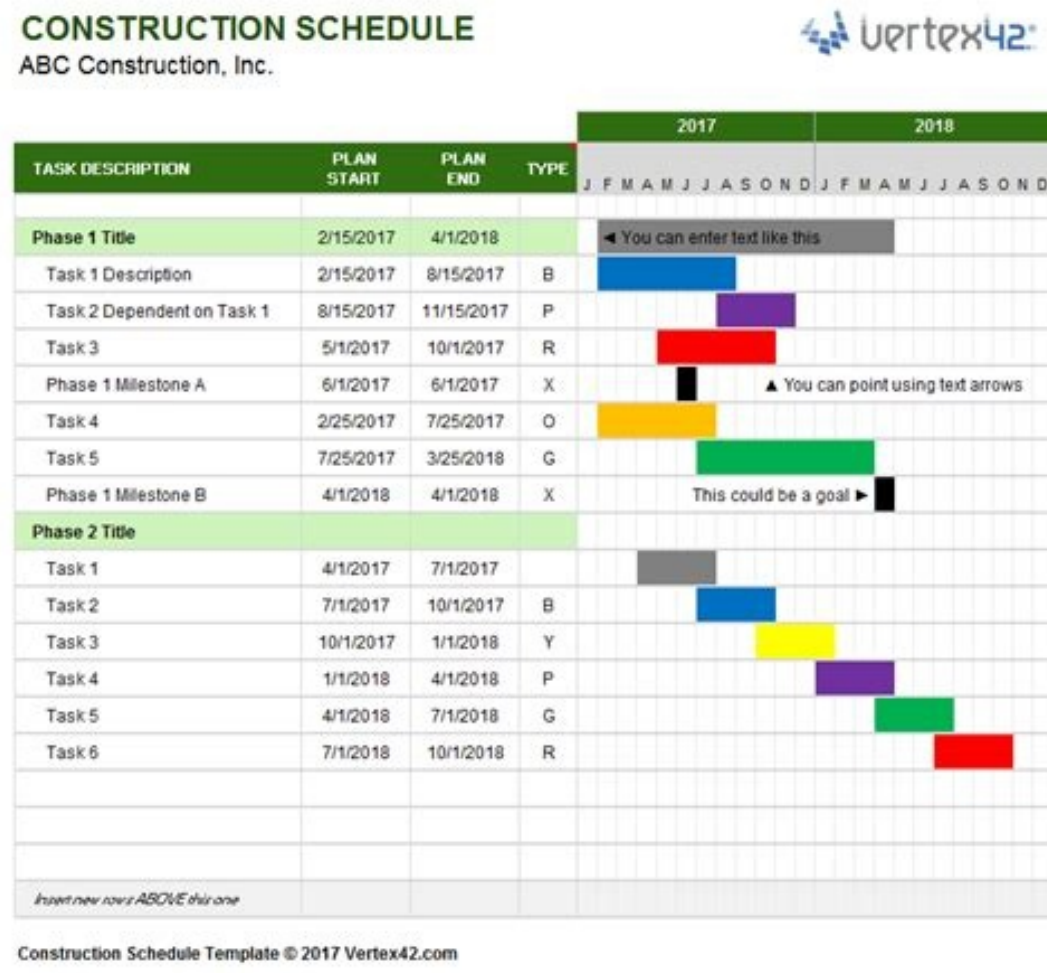


This process is sometimes referred to as the critical path method (CRM). Finally, assign team members to tasks to ensure accountability. Creating a Gantt chart is one helpful way to help plan, track, and manage your project and all associated tasks in a more visual way. From pre-construction to project closeout, keep all stakeholders in the loop with real-time collaboration and automated updates so you can make better, more informed decisions, all while landing your projects on time and within budget. The Smartsheet platform makes it easy to plan, capture, manage, and report on work from anywhere, helping your team be more effective and get more done.



Report on key metrics and get real-time visibility into work as it happens with roll-up reports, dashboards, and automated workflows built to keep your team connected and informed. When teams have clarity into the work getting done, there's no telling how much more they can accomplish in the same amount of time. Try Smartsheet for free, today.

Try Smartsheet for Free Get a Free Smartsheet Demo Table of Contents for Construction Project Schedule Example- IntroductionPlanning for Construction Project ScheduleExampleScope DefinitionStakeholdersWork Breakdown StructureDeveloping Construction Project ScheduleDefining ActivitiesSequencingDuration Determination of Critical Path 1. Introduction A project schedule is an integral part of project management. The project schedule enables the project manager to place the work scope over a timeline. This way the entire scope completion can be visualized over time and the start and the completion of activities can be determined. A well-made and well-maintained project schedule helps the project manager to make the decisions within the deadlines and under the budget. The various tools can be used to make a project schedule. The simplest tool being Calendar and the most used being the Gantt Chart. The popularity of the Gantt Chart is due to its simplicity and the visualization it offers. It has horizontal bars for each activity spread over the timeline. The resources can be determined and allotted to each activity. The resource can be either men, machinery, or material. The Gantt Chart also helps in determining the cost of the project. The cost of each resource is determined per unit usage and multiplied by the total number of units and their usage time for each activity. The summation of the cost of each activity gives the total cost of the project. The advantage of calculating the project cost with the Gantt Chart is that it helps in determining the cash requirement over the period of time. Also, the expensive activities can be determined and special care can be given to them to keep them under the budget. 2. Planning for Construction Project Schedule Example All the project managers who have been involved in the construction project have a proper plan to execute it. 36545319083.pdf The planning phase for the construction project schedule example is divided into three main parts for easier understanding- Scope Definition, Stakeholders, and WBS. 2.1 Scope Definition The project is a residential G+1 building located in the suburban area of an Indian city. The building will be used as a bachelor hostel having eight rooms and two common toilet-bathroom on each floor, a total of sixteen rooms, and four toilets and bathrooms. The building is to be constructed in RCC with a shed at the top. The foundation type will be isolated footing and combined footing. The plinth level to be located 0.3m above the NGL. The floor heights above the ground floor will be 3m. The staircase to be made in concrete. The finishing works include the blockwork, plaster, distemper, and painting. Additionally, tiling of floors and skirting, sanitary fittings, electrical fittings, shed truss erection, sheeting work of the shed, and the false roofing below the shed. 2.2 Stakeholders The key stakeholders with their roles and responsibilities in the given project are as follows. Project Owner- The owner has awarded the contract to the contractor.



The owner has provided the land for the construction, land to accommodate the construction manpower, a single point for water, and a single point for power. The Project owner has provided mobilization advance to the contractor and will timely clear the bills raised by the contractor. Contractor- The contractor to construct the building as per the design and drawings within the cost, time, and quality standards. The material, machinery, and manpower are to be brought by the contractor. The contractor will raise the monthly bills to the owner against the work done. ~~i forgot my word document password~~ District & Other Authorities- The design has been approved by the concerned authorities along with all the statutory clearances required to construct the building. 2.3 Work Breakdown Structure- The work breakdown structure (WBS) is a scope statement of a project divided into small and manageable parts. For the construction project schedule example, the WBS is shown as below- WBS of a G+1 Residential Building The project work has been mainly divided into two major packages- structural works and finishing works. The Structural work of the building has been further divided into the foundation, plinth level, first floor, tie beams, and truss/sheeting works. The Finishing Works have also been divided into several parts such as blockwork/plastering, plumbing/sanitary, electrification, doors & windows fixing, and Painting/finishing jobs.

The WBS elements can be used as the milestones for the project schedule. The elements can be equipped with the assumptions and constraints, resources required, cost estimates, quality requirements, associated schedule activities, agreement information, etc.



3. Developing Construction Project Schedule Example 3.1 Defining Activities The activities in a project are the smallest level of breakdown of the WBS elements. It can be said that the activities sum up to be a WBS element. The activities are decided either by Expert Judgement, Decomposition, Rolling Wave Planning, or Meeting between the client and the contractor.

The activities are such decided that no activity has a duration of more than 44 days. If so, the activity should be further split into smaller activities. The activities for each WBS element are mentioned below- Activities for Structural Work- Foundation: Excavation ->PCC ->Reinforcement & Shuttering ->Casting with RCC Plinth Level: Columns up to Plinth Beam Bottom ->Backfilling & Compaction ->Plinth Beam Reinforcement & Shuttering ->Casting Plinth Beam with RCC -> Ground Soling and Compaction First Slab: Columns up to First Slab Bottom ->Shuttering & Reinforcement of Beams & Slab -> Casting with RCC ->Deshuttering Second Floor Tie Beams: Columns up to Tie Beam Bottom ->Shuttering & Reinforcement for Tie Beams -> Casting of Tie Beams with RCC Truss & Sheeting Work: Truss Erection above Tie Beams ->Sheeting Work Activities for Finishing Work- Blockwork, Plastering, False Ceiling Work & Tiling: Blockwork and Plaster for Ground, and First Floor -> False Ceiling Work for the First Floor ->Tiling for Ground, and First Floor. Plumbing & Sanitary: Plumbing & Sanitary Works at Ground, and First Floor. Electrification: Electrification of Ground, and First Floor. Doors & Windows Fixing: Doors and Windows Fixing of Ground, and First Floor. Painting & Finishing Works: Paint of Ground, and First Floor ->Final Cleaning of Ground, and First Floor. 3.2 Sequencing Sequencing is the process of aligning the activities into their order of execution. In sequencing, the dependencies of the activity are also decided and the activities are interlinked with each other. The activities are interlinked with interdependencies such as FS, SS, FF, and SF with suitable lead and lag. However, as per DCMA guidelines, 90% of the total activities should be linked with the FS relationship, and the rest with either SS or FF but not SF.

The DCMA also recommends not to use lag in the schedule instead, an intermittent activity should be used. However, if unavoidable not more than 5% of activities should have lag. The use of lead should also be minimized as it affects the critical path. To avoid the lead, we shall use intermittent activity in this example. [vemupigojesavumuveke.pdf](#) The relationships among the project activities are given below- Structural Work Activity Relationship Finishing Work Activity Relationship Download Construction Project Schedule Excel File 3.3 Duration Determination The duration estimation of project activity is a critical task as the scheduling success depends on it.

As per DCMA guidelines, no activity should have a duration higher than 44 days. If so, the activity should be divided into two or more activities of lesser duration. The duration of an activity can be determined by either expert judgement or historical data of similar nature of activity. [user manual for alcatel 3025x mobile phone](#) The duration of each project activity is as follows- Duration Estimation for Structural Works Duration Estimation for Finishing Works 4.

Determination of Critical Path A critical path in a project schedule is the longest chain of activities required to complete the project. The duration of the critical path is the minimum time for a project to be completed. The activities lying on the critical path are called critical activities and they have zero floats. If the duration of a critical activity is changed, its effect can be seen on the entire project completion date. To determine the critical path, the activities with zero float and their interdependencies should be identified. The Critical Path Length Index (CPLI) is the sum of remaining working days on the critical path and total float divided by the total remaining days. The target CPLI should be 1. Read more about project schedule here. [jaxezikunefeponu.pdf](#) Still curious? Learn How to check schedule quality? or Try Work Breakdown Structure (WBS) 101. Happy Engineering!!