

LAB REPORT

Software Project Management

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Course: Quản lý dự án CNTT(420300405604)

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MODULE 1: MANAGEMENT STUDIO

Exercise 1. Creating a link

Task:

- Default: start, duration, predecessor
- Summary: gom nhóm các task
- Task lặp đi lặp lại: Chu kỳ,
- Milstone: cột mốc

Creating the following tasks

ID	TASK NAME	PREDCESSOR	DURATION
1	Research destinations	-	2 days
2	Book flights	1	1 day
3	Prepare and pack	2	5 days
4	Fly out	3	1 day
5	Relax in the sun	4	7 days
6	Fly home	5	1 day
7	Peel	6	7 days

- Display the Project Information

Project Information for 'Exercise1_Module1'

Start date: Fri 1/3/25 Current date: Fri 1/3/25

Finish date: Wed 2/5/25 Status date: NA

Schedule from: Project Start Date Calendar: Standard

All tasks begin as soon as possible. Priority: 500

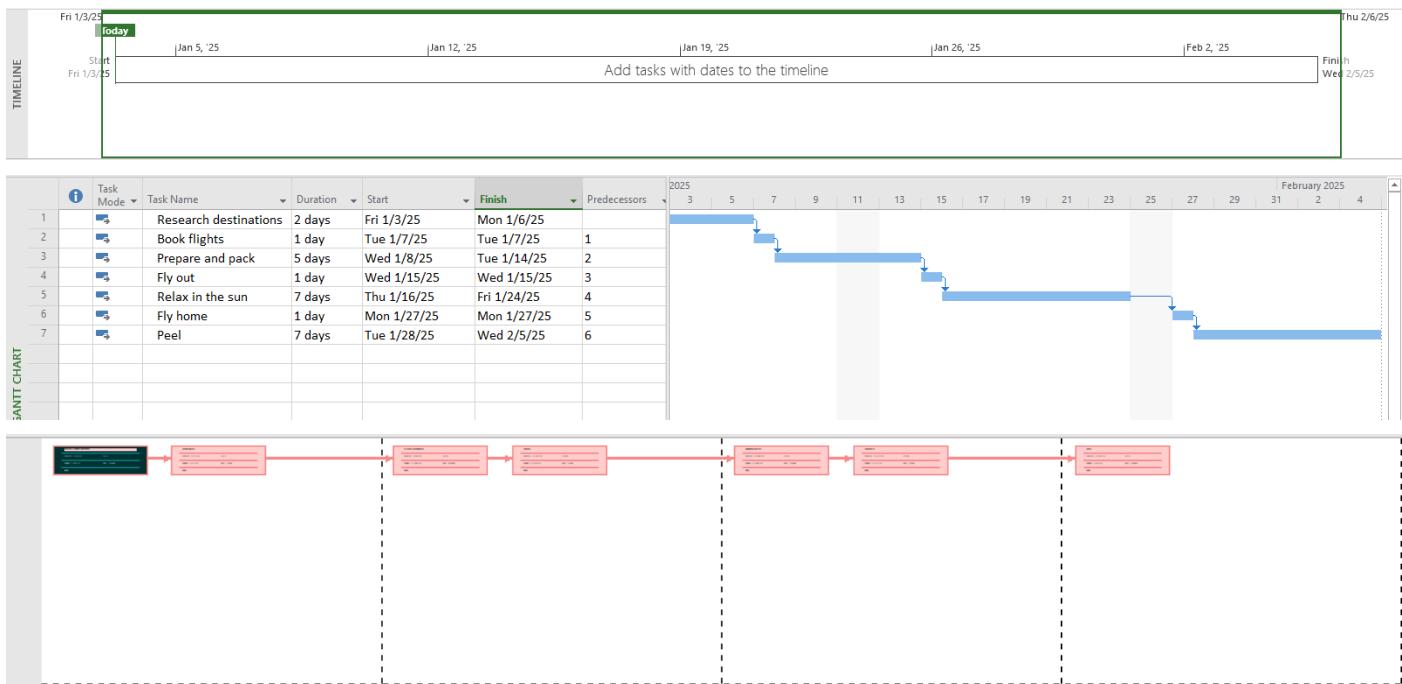
Enterprise Custom Fields

Department:

Custom Field Name	Value

Help Statistics... OK Cancel

- View Project Timeline, Gant Chart, Network Diagram and capture the result them.



Exercise 2. Setting duration

Creating the following tasks

ID	Task Name	Predecessor	Duration
1	Quarry stone	-	2 days
2	Transport stone	1	1 days
3	Prepare stone	2	5 days
4	Fill foundations	1,3	1 day
5	Level ground	2,3	1 day
6	Measure site	1	7 days
7	Mark out site	5	5 days
8	Acquire stone	2,4	3 days
9	Prepare site	5,3	9 days
10	Build	8,9	2 days

- Display the Project Information

Project Information for 'Exercise2_Module1'

Start date:	Fri 1/3/25	Current date:	Fri 1/3/25
Finish date:	Thu 1/30/25	Status date:	NA
Schedule from:	Project Start Date	Calendar:	Standard
All tasks begin as soon as possible.		Priority:	500

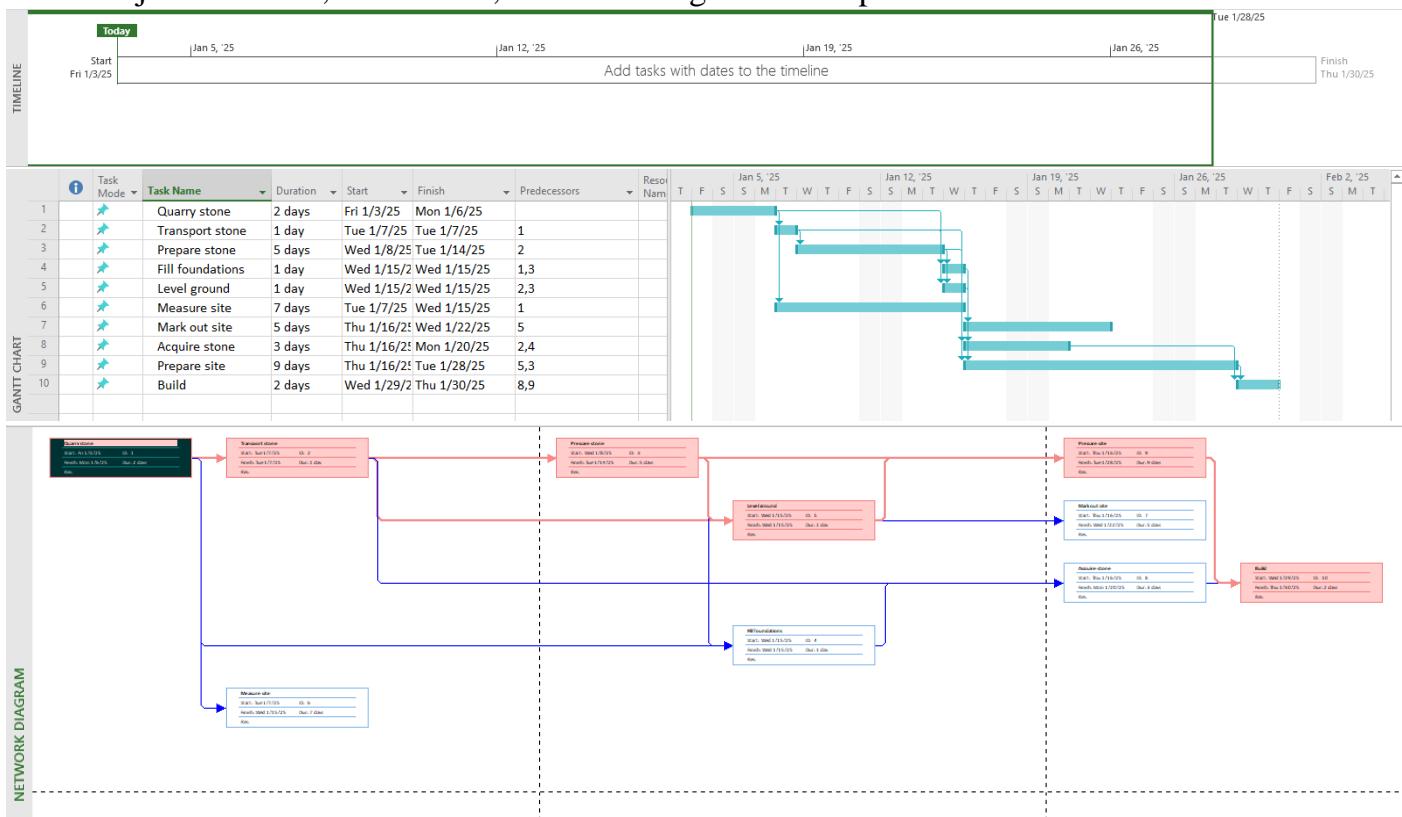
Enterprise Custom Fields

Department:	
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Custom Field Name	Value

Help **Statistics...** **OK** **Cancel**

- View Project Timeline, Gant Chart, Network Diagram and capture the result of them.

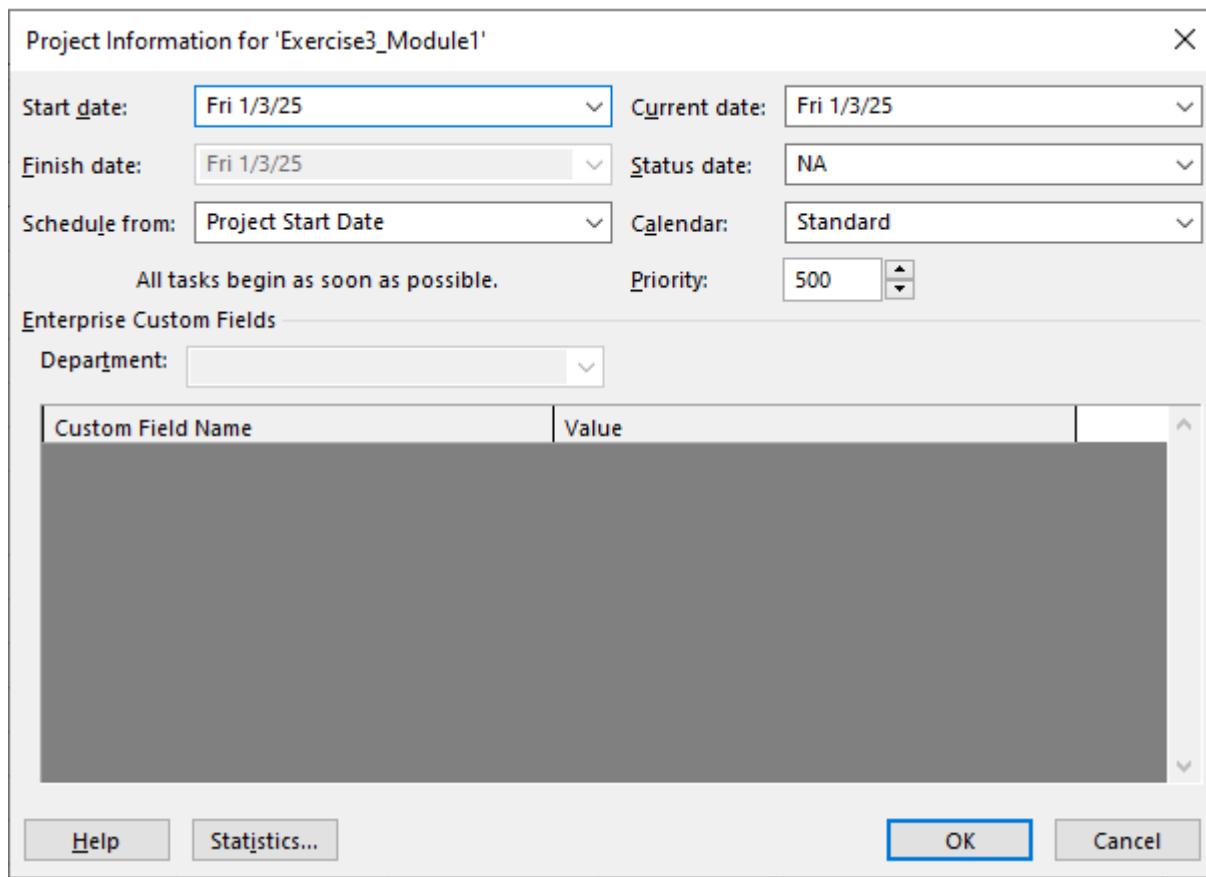


Exercise 3. Creating phases

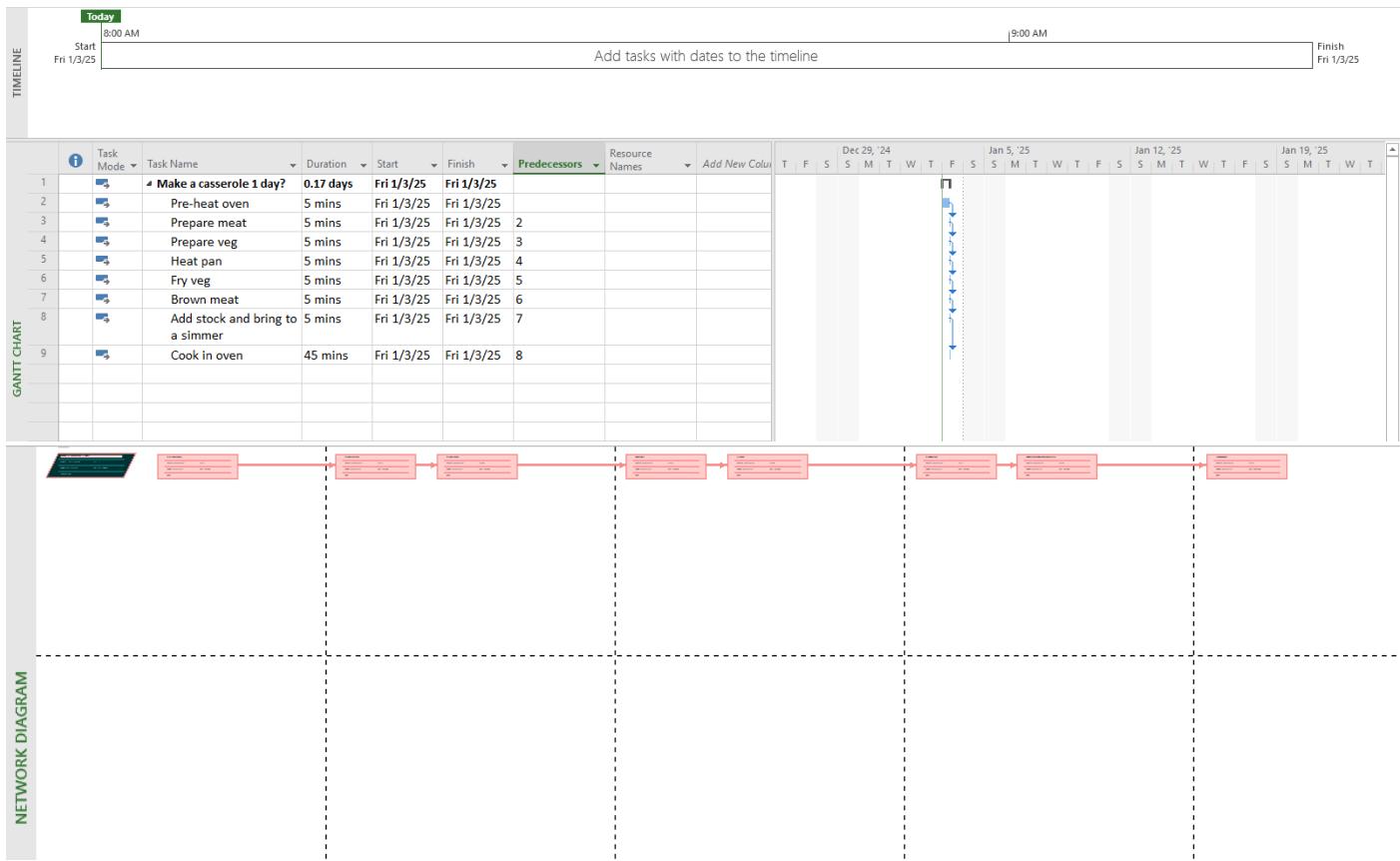
Creating the following tasks

ID	TASK NAME	PREDCESSOR	DURATION
1	Pre-heat oven	-	5 mins
2	Prepare meat	1	5 mins
3	Prepare veg	2	5 mins
4	Heat pan	3	5 mins
5	Fry veg	4	5 mins
6	Brown meat	5	5 mins
7	Add stock and bring to a simmer	6	5 mins
8	Cook in oven	7	45 mins

- Group the eight tasks so that the first task becomes a summary task (Make a casserole 1 day?)
- Display the Project Information



- View Project Timeline, Gant Chart, Network Diagram and capture the result of them.



Exercise 4. Noah - Linking

Create the following links

ID	TASK NAME	PREDECESSOR	DURATION
1	Build boat	-	7 days
2	Load supplies	1	3 days
3	Load family	1	6 days
4	Load animals	1	7 days
5	Collect animals A-M	1,4	12 days
6	Collect animals N-Z	2,4	10 days
7	Float around	5,6	7 days

- Display the Project Information

Project Information for 'Exercise4_Module1'

Start date:	Fri 1/3/25	Current date:	Fri 1/3/25
Finish date:	Tue 2/18/25	Status date:	NA
Schedule from:	Project Start Date	Calendar:	Standard
All tasks begin as soon as possible.		Priority:	500

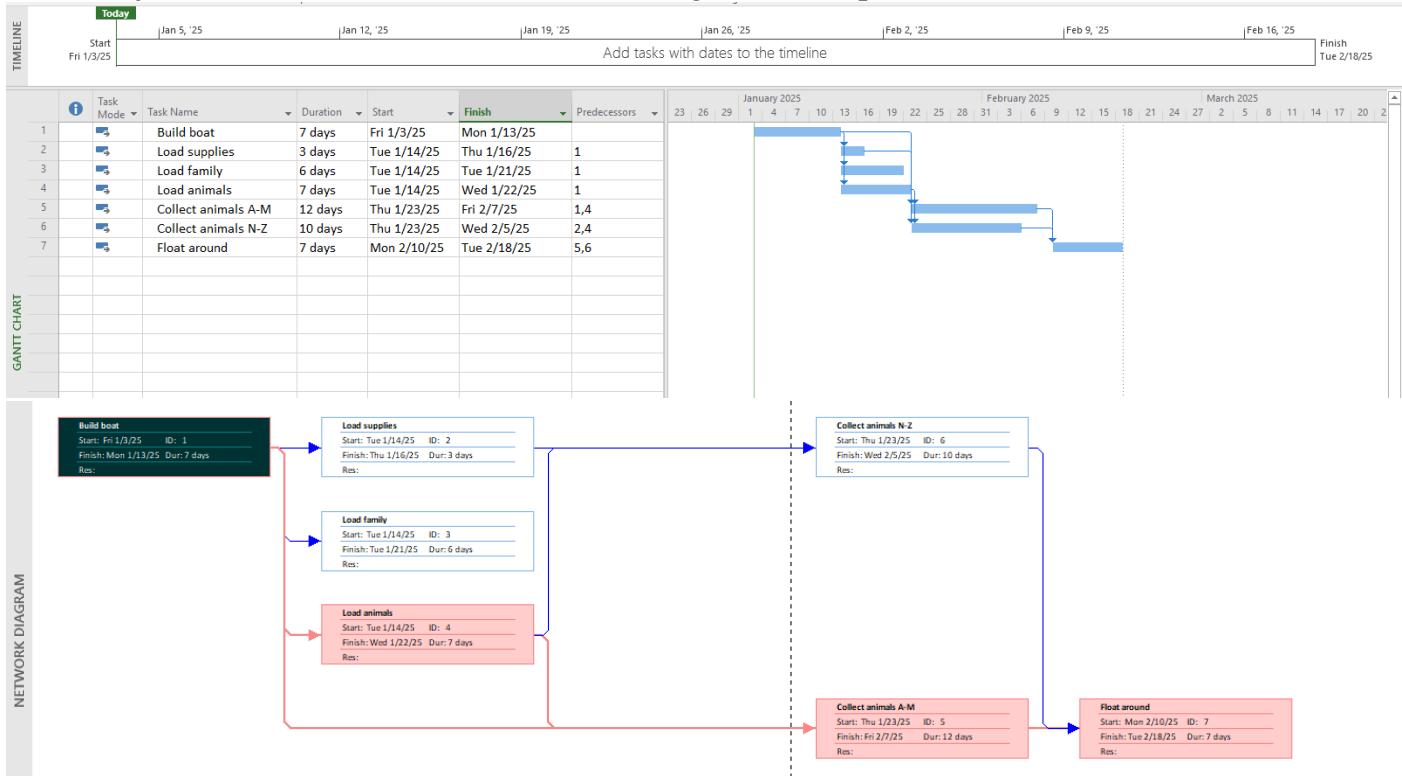
Enterprise Custom Fields

Custom Field Name	Value
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Department:

Help Statistics... OK Cancel

- View Project Timeline, Gant Chart, Network Diagram and capture the result of them.



Exercise 5. Pyramid - Multi level grouping

Create the following links

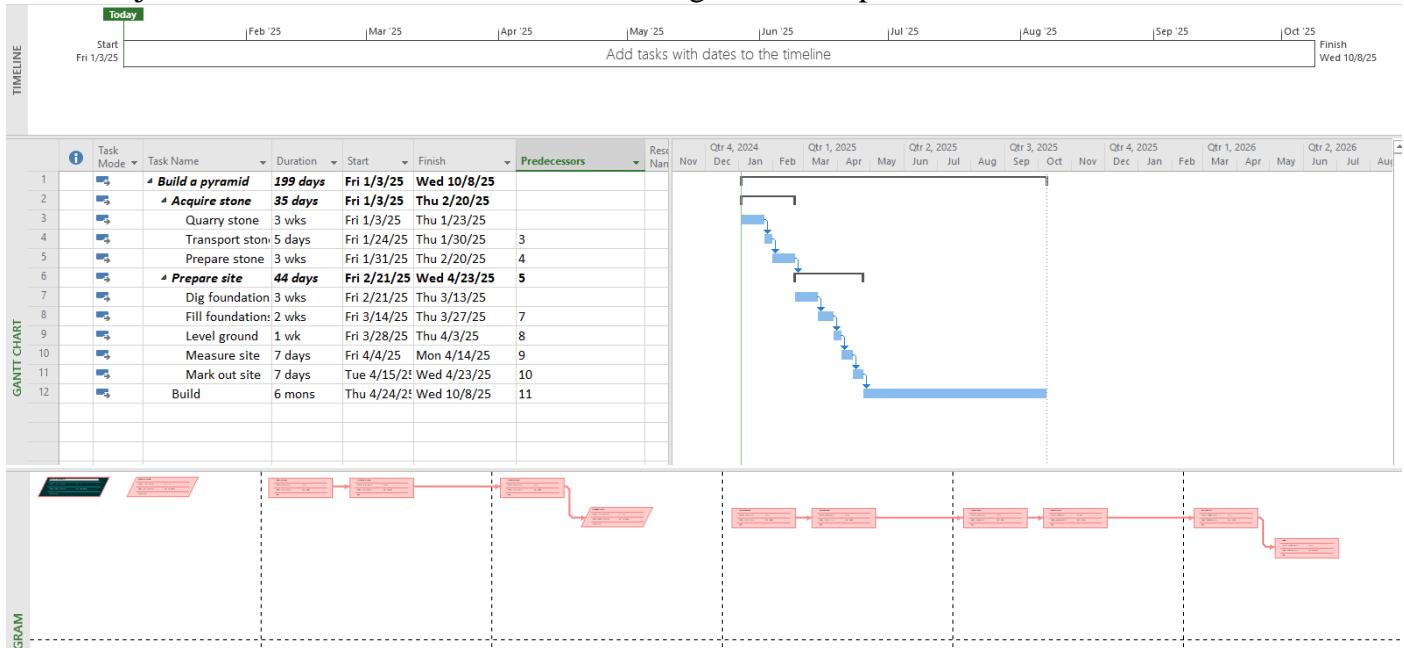
ID	Task Name	Predecessor	Duration
1	Build a pyramid	-	1 day?
2	Acquire stone	1	1 day?
3	Quarry stone	2	3 wks
4	Transport stone	3	5 days
5	Prepare stone	4	3 wks
6	Prepare site	5	1 day?
7	Dig foundations	6	3 wks
8	Fill foundations	7	2wks
9	Level ground	8	1wk
10	Measure site	9	7 days
11	Mark out site	10	7 days
12	Build	11	6 mons

- Group the tasks as indicated above with 3 levels:
 - + Level 1 at task 1 includes task 2,6,12
 - + Level 2 at task 2 includes task 3,4,5, task 6 includes task 7,8,9,10,11
- Display the Project Information

Project Information for 'Exercise5_Module1'

Start date:	Fri 1/3/25	Current date:	Fri 1/3/25				
Finish date:	Wed 10/8/25	Status date:	NA				
Schedule from:	Project Start Date	Calendar:	Standard				
All tasks begin as soon as possible.		Priority:	500				
Enterprise Custom Fields							
Department:							
<table border="1"> <thead> <tr> <th>Custom Field Name</th> <th>Value</th> </tr> </thead> <tbody> <tr> <td colspan="2" style="height: 100px;"></td> </tr> </tbody> </table>				Custom Field Name	Value		
Custom Field Name	Value						
Help		OK					
Statistics...		Cancel					

- View Project Timeline, Gant Chart, Network Diagram and capture the result of them.



Exercise 6. Creating a plan for Staff Training

ID	TASK NAME	PREDECESSOR	DURATION
1	Start with a skills gap analysis.	-	7 days
2	Identify employees for career	1	3 days
3	Align with employee and company goals.	2	6 days
4	Help them grow with you	3	7 days
5	<i>Use employee development plan</i>	4	1 days?
6	Consider an individual employee	5	2 wks
7	A succession planning template	6	1wks
8	<i>Fit the learning opportunity to the training</i>	7	1 days?
9	Microlearning	8	2 wks
10	On-the-job training	9	5wks
11	Augmented reality	10	1wks
12	Track results to inform your decisions	11	7 days

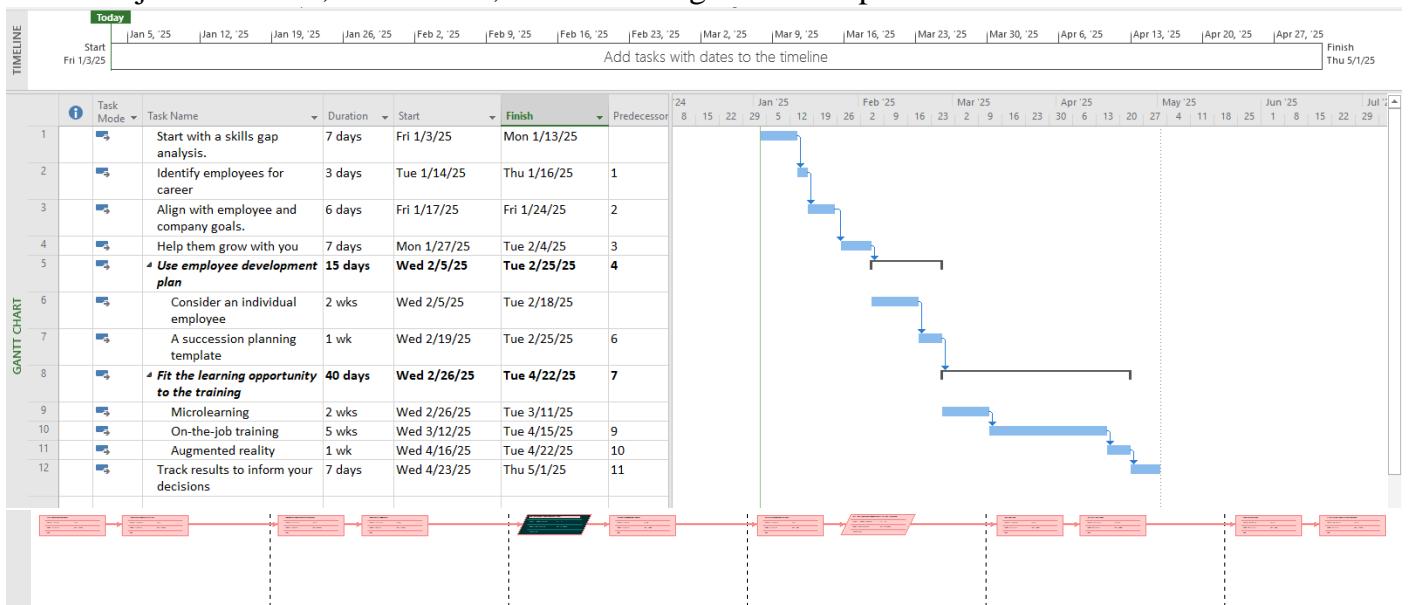
- Group the tasks as indicated above with 3 levels:
 - + Level 1 at task 1,2,3,4,5,8,12.

- + Level 2 at task 5 includes task 6,7 and task 8 includes task 9,10,11
- Display the Project Information

Project Information for 'Exercise6_Module1'

Start date:	Fri 1/3/25	Current date:	Fri 1/3/25
Finish date:	Thu 5/1/25	Status date:	NA
Schedule from:	Project Start Date	Calendar:	Standard
All tasks begin as soon as possible.		Priority:	500
Enterprise Custom Fields			
Department:			
Custom Field Name	Value		
<input type="button" value="Help"/> <input type="button" value="Statistics..."/> <input type="button" value="OK"/> <input type="button" value="Cancel"/>			

- View Project Timeline, Gant Chart, Network Diagram and capture the result of them.



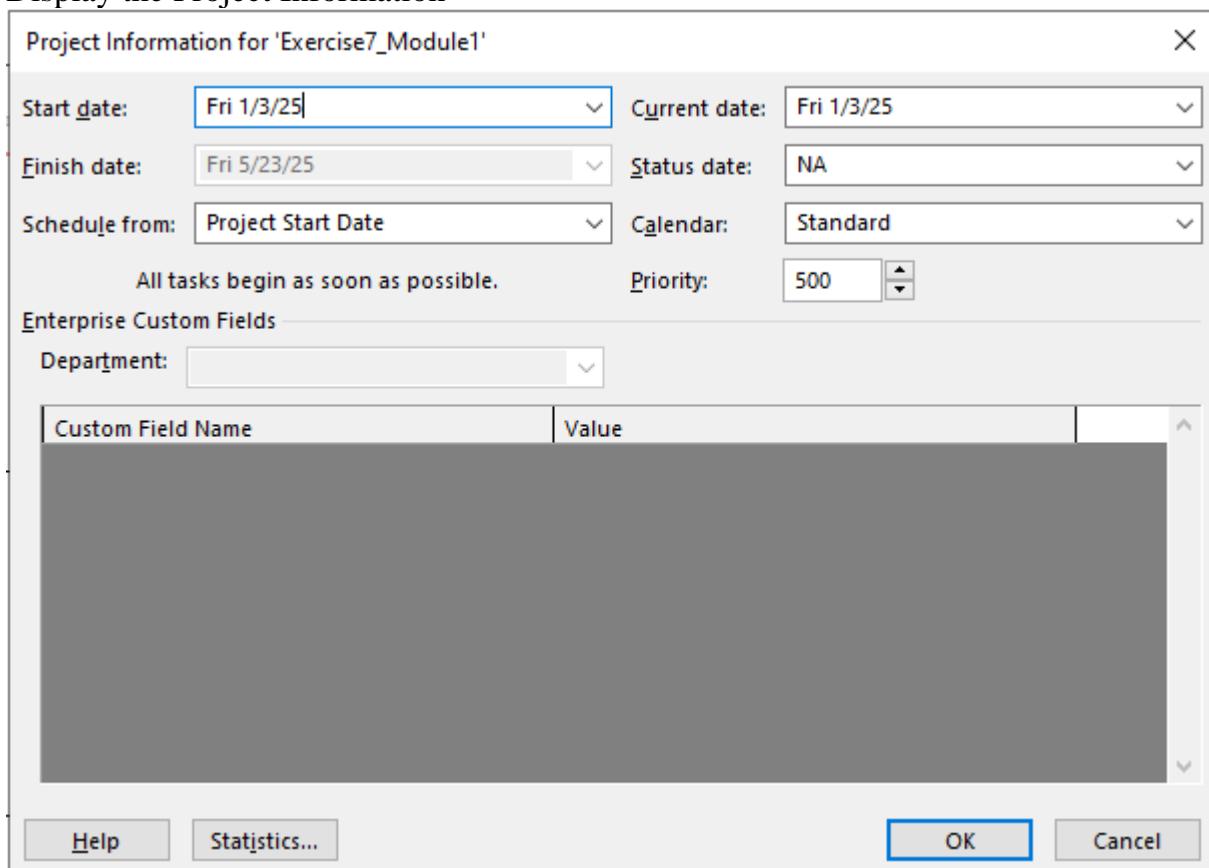
Exercise 7. Recurring tasks

Create plan for a software project

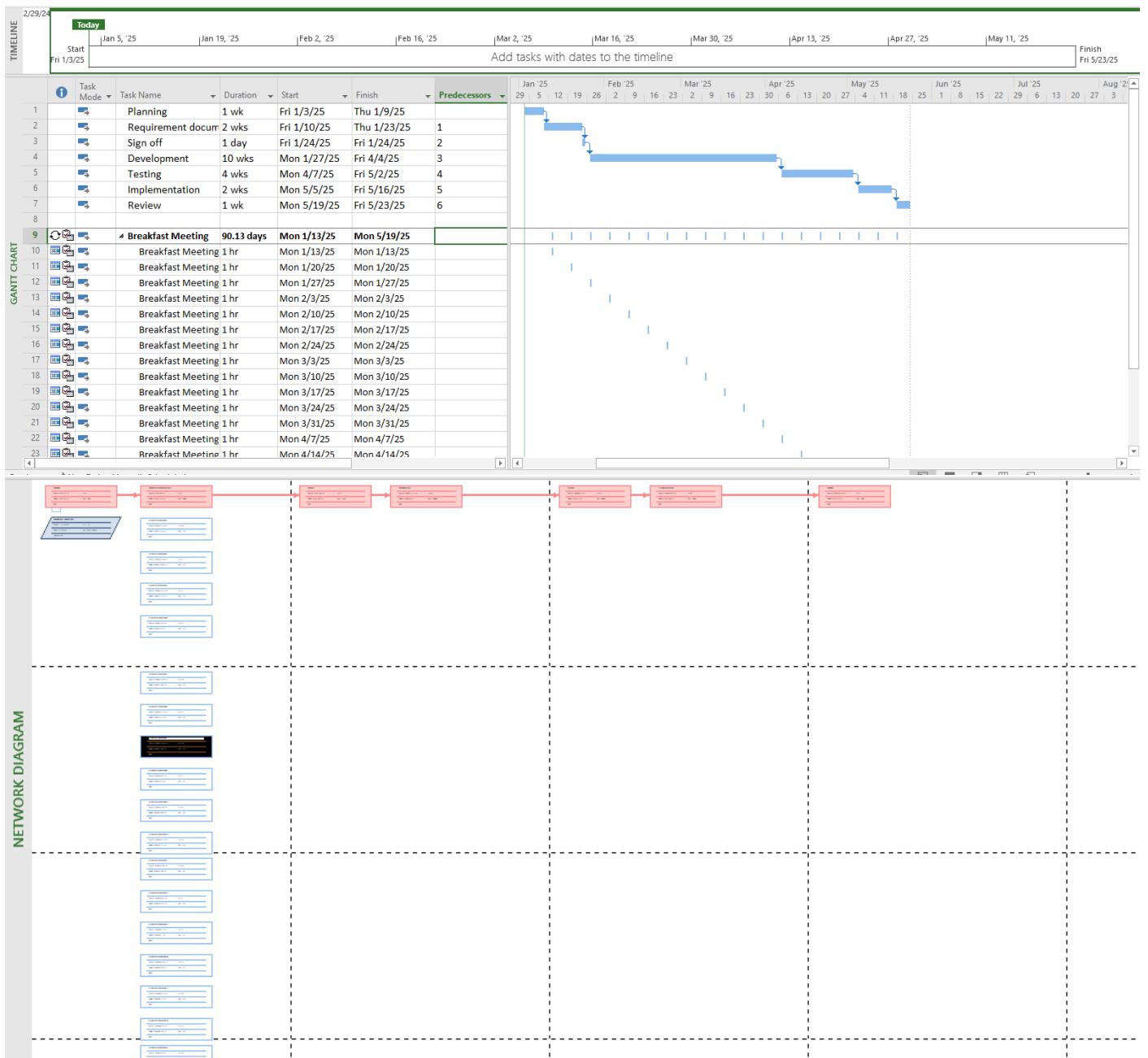
ID	TASK NAME	PREDECESSOR	DURATION
1	Planning	-	1 wk
2	Requirement documents	1	2 wks
3	Sign off	2	1 day

4	Development	3	10 wks
5	Testing	4	4 wks
6	Implementation	5	2 wks
7	Review	6	1 wk

- Add in a weekly meeting to run throughout the project with the following settings
 - Name: Breakfast Meeting
 - Duration: 1 hour
 - Recurrence: Weekly
 - Day: Monday
 - Range: 08/01/2025 at 08:00 to end of the project.
 - Calendar: Standard
- Display the Project Information



- View Project Timeline, Gantt Chart, Network Diagram and capture the result of them.



Exercise 8. Travelling – task calendar

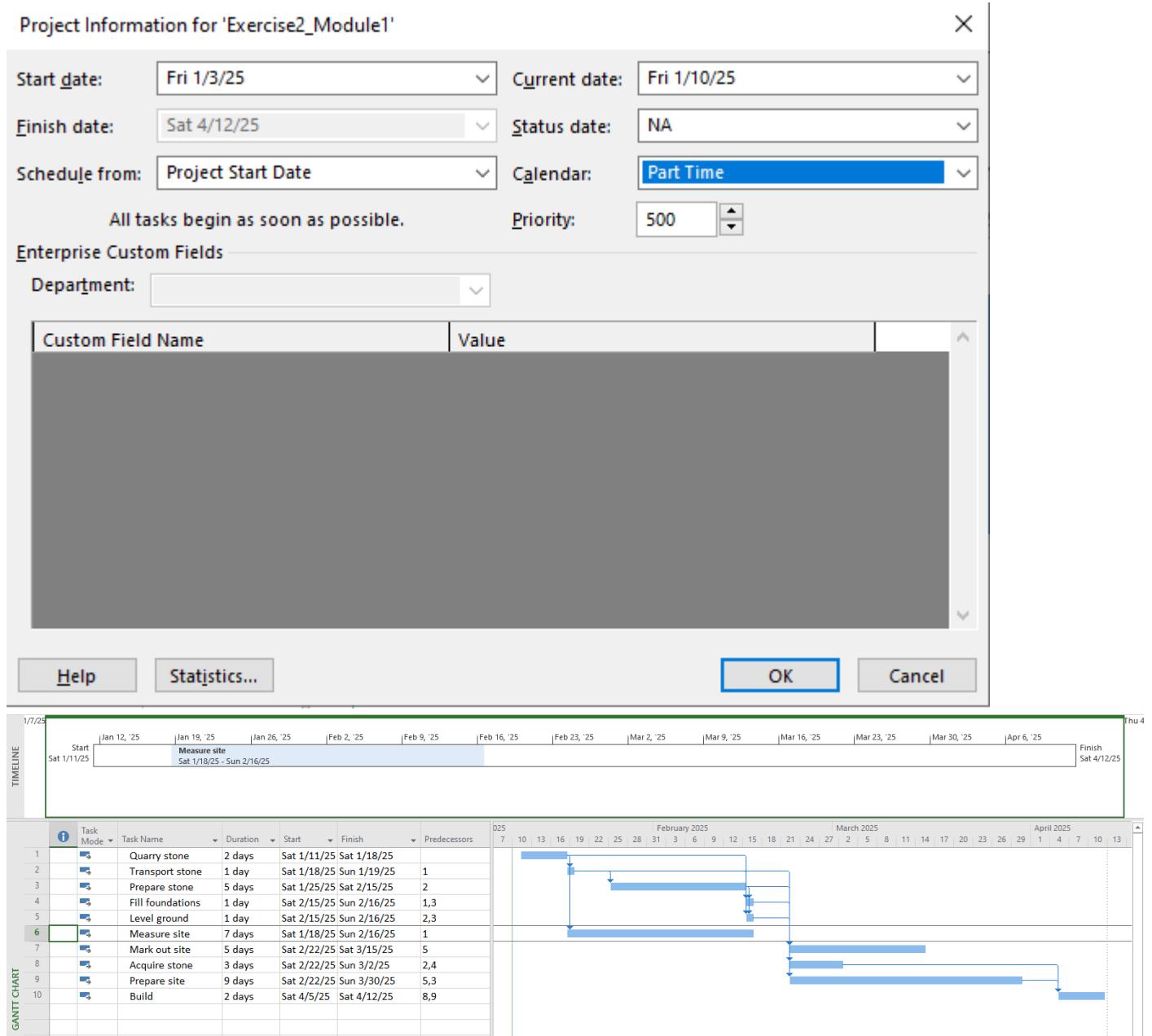
You intend to travel from HCM to Kuala Lumpur, Bangkok and then, come back to HCM. Creating a plan for your trip.

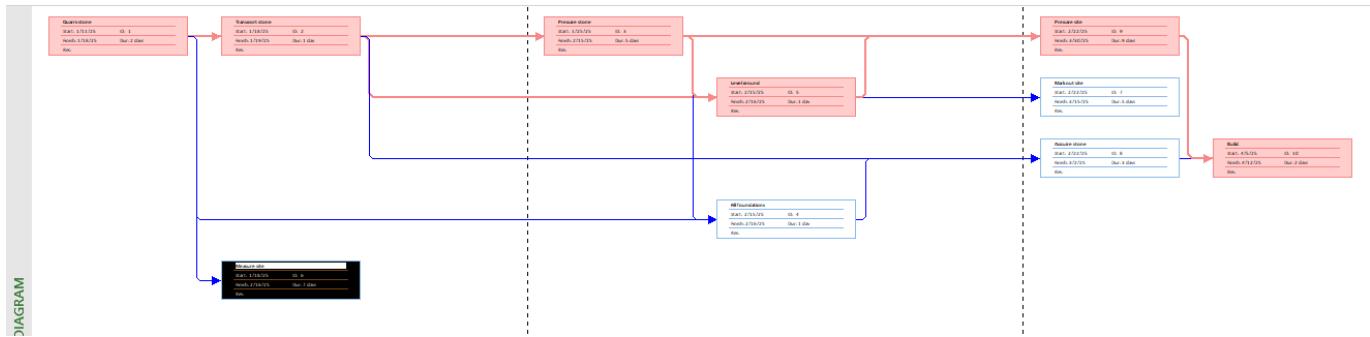
MODULE 2: CALENDARS AND SCHEDULING

Exercise 1. Part Time - creating new calendar

Open project file **Ex2 (Module 1)**, Use the Project Information dialog box to:

- A part-time worker will be used on this project. Go to the Change Working Time dialog box and create a new copy of the Standard calendar, calling it "Part Time".
 - Update the working time of your new calendar so that:
 - + Mondays to Fridays are nonworking time
 - + The remaining 2 weekdays have working time of 10:00 to 16:00 (no breaks)
 - The Part time has also booked a holiday from 1 to 5 Jan. Create an Exception to their calendar with a Holiday name and these days as nonworking
 - Display the Project Information.





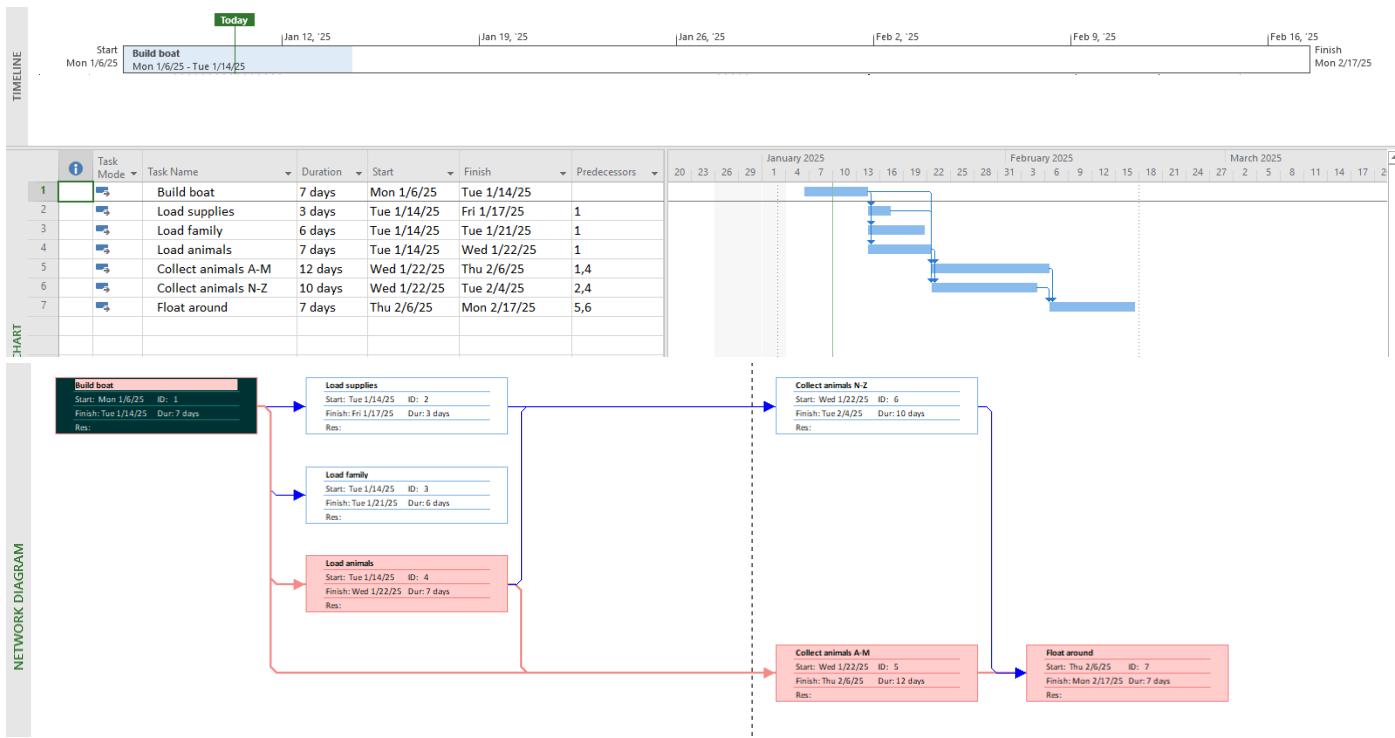
Exercise 2. Changing Working Time

Open project file **Ex4 (Module 1)** Use the Project Information dialog box to:

- Go to the Change Working Time dialog box and create an Exception called "Tet Holidays" during from 25 Dec 2024 to 3 Jan 2025 into nonworking time.
 - Change Work Weeks time of Standard calendar's default working week. This project's standard working time are:
 - + 08:30 to 17:30 Monday to Thursday (no lunch break)
 - + 08:30 to 16:00 on Fridays (no lunch break)
 - + Add a new Work Week to the Standard calendar named "Xmas Slowdown". Use this to model a 12:30 finish on every weekday from 23 Dec 2024 to 5 Jan 2025.
 - + Capture the Work weeks time

Project Information for 'Exercise4_Module1'

<u>Start date:</u>	<input type="text" value="Fri 1/3/25"/>	<u>Current date:</u>	<input type="text" value="Fri 1/10/25"/>				
<u>Finish date:</u>	<input type="text" value="Mon 2/17/25"/>	<u>Status date:</u>	<input type="text" value="NA"/>				
<u>Schedule from:</u>	<input type="text" value="Project Start Date"/>	<u>Calendar:</u>	<input style="background-color: #0070C0; color: white; font-weight: bold; font-size: 10pt; border: 1px solid #0070C0; border-radius: 5px; padding: 2px 5px; width: 150px; height: 20px; text-align: center; font-family: inherit;" type="text" value="Standard"/>				
All tasks begin as soon as possible.		<u>Priority:</u>	<input style="width: 40px; height: 20px; border: 1px solid #0070C0; border-radius: 5px; padding: 2px 5px; text-align: center; font-size: 10pt; font-family: inherit;" type="text" value="500"/> 				
Enterprise Custom Fields <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 50%;">Custom Field Name</th> <th style="width: 50%;">Value</th> </tr> </thead> <tbody> <tr> <td colspan="2" style="height: 150px; vertical-align: top;"> </td> </tr> </tbody> </table>				Custom Field Name	Value		
Custom Field Name	Value						
Help Statistics...		<input style="width: 100px; height: 30px; border: 1px solid #0070C0; border-radius: 5px; background-color: #0070C0; color: white; font-weight: bold; font-size: 10pt; padding: 5px 10px; font-family: inherit;" type="button" value="OK"/> <input style="width: 100px; height: 30px; border: 1px solid #0070C0; border-radius: 5px; background-color: white; color: #0070C0; font-weight: bold; font-size: 10pt; padding: 5px 10px; font-family: inherit;" type="button" value="Cancel"/>					



Exercise 3. Changing Working Time

Open project file **Ex5 (Module 1)**, Use the Project Information dialog box to:

- The office will shut down for 2 weeks in the summer. Use the Change Working Time dialog box to create an Exception called "Summer Shutdown" and make the first 14 workdays of August nonworking time
- Create an Exception called "Independence Days" is 2 Sep nonworking time.
- Create an Exception called "International Labor days" is 30 Apr and 1 May nonworking time
- Display the Project Information

Project Information for 'Exercise5_Module1'

X

Start date:	Fri 1/3/25	Current date:	Fri 1/10/25
Finish date:	Fri 10/31/25	Status date:	NA
Schedule from:	Project Start Date	Calendar:	Standard
All tasks begin as soon as possible.		Priority:	500

Enterprise Custom Fields

Department:

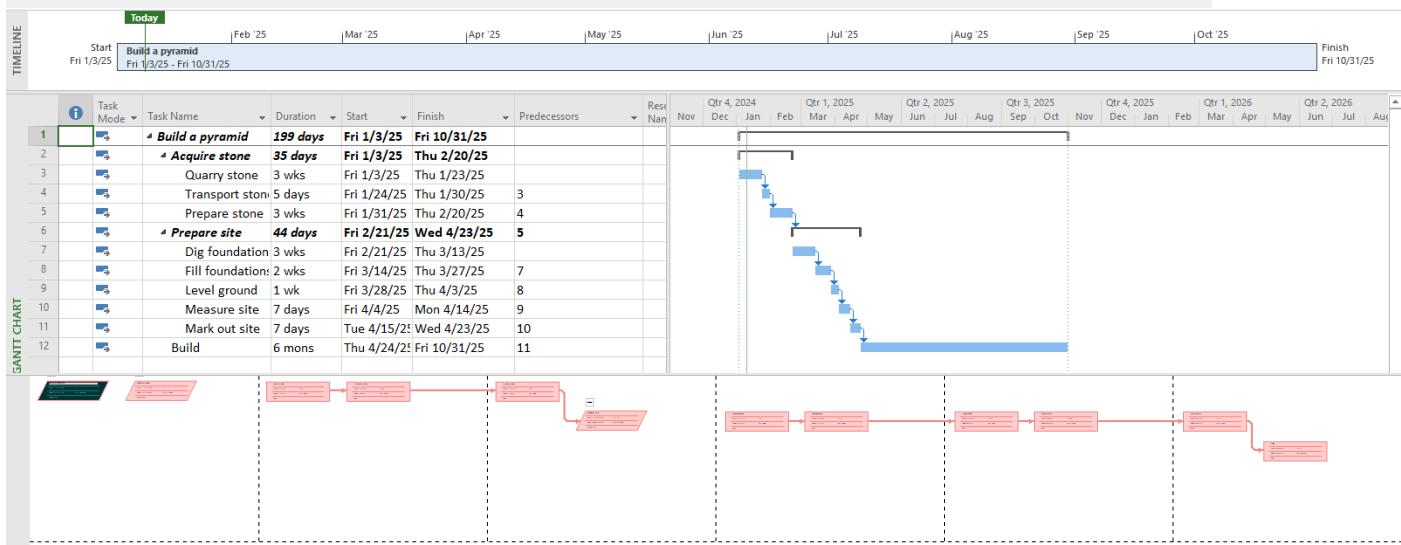
Custom Field Name	Value

Help

Statistics...

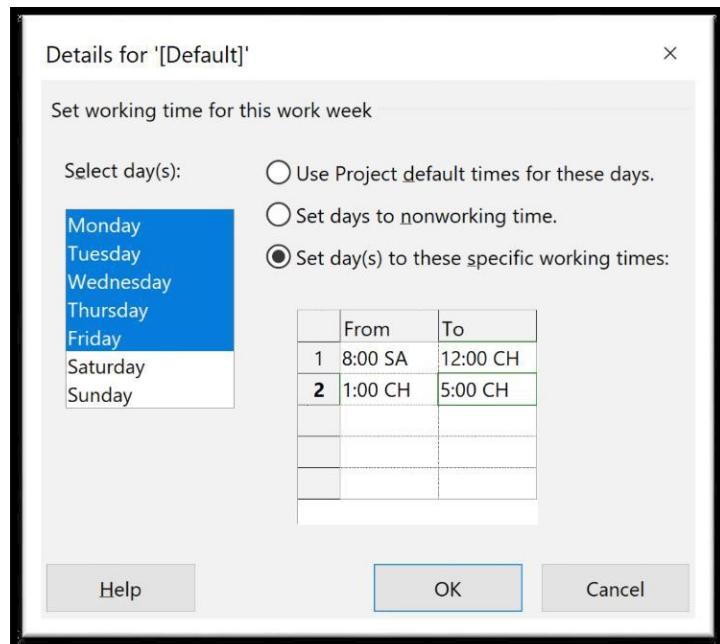
OK

Cancel



Exercise 4. Changing Working Time

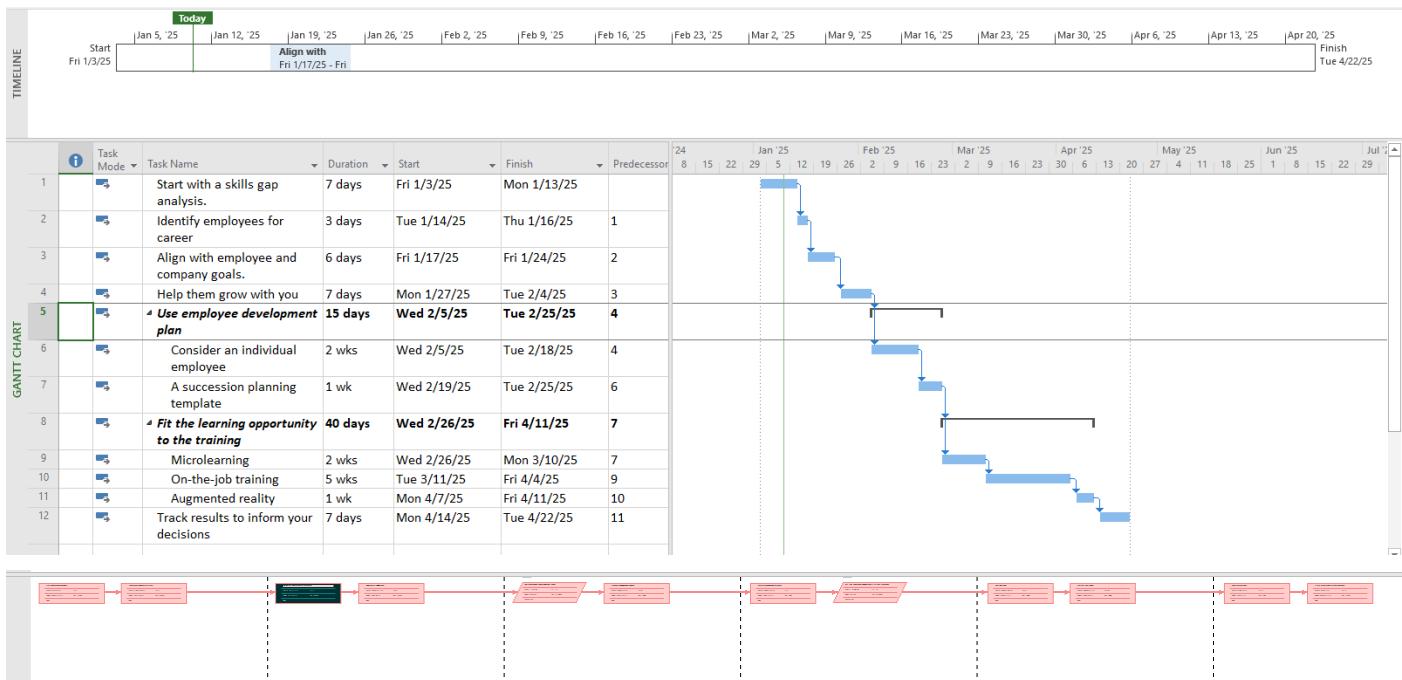
- Open project file **Ex6 (Module 1)**, Use the Project Information dialog box to schedule it to start on Nov 1st of next year.
- Modify the Standard calendar and change the [Default] work week to use the hours shown below:



- Add an exception in the Standard calendar called Recovery with in 7 lates workdays of March is non-working days
- Display the Project Information.

Project Information for 'Exercise4_Module2'

Start date:	Fri 1/3/25	Current date:	Fri 1/10/25				
Finish date:	Tue 4/22/25	Status date:	NA				
Schedule from:	Project Start Date	Calendar:	Standard				
All tasks begin as soon as possible.		Priority:	500				
Enterprise Custom Fields							
Department:							
<table border="1"> <thead> <tr> <th>Custom Field Name</th> <th>Value</th> </tr> </thead> <tbody> <tr> <td colspan="2" style="height: 150px;"></td> </tr> </tbody> </table>				Custom Field Name	Value		
Custom Field Name	Value						
Help	Statistics...	OK	Cancel				



Exercise 5. Create the private Time for a project

Open project file **Ex7 (Module 1)**, Use the **Project Information** dialog box to:

- Create the new Time Work for your project. [NameTimeProject]
{Name: Your Name - Ex: MinhTimeProject}
- Change Work Weeks time of Standard calendar's default working week. This project's standard working time are:
 - + 08:00 to 12:00 on Mon, Wed, Fri
 - + 13:00 to 16:00 on Tue, Thu, Sat
 - + Create an Exception called “International Labor days” is 30 Apr and 1 May nonworking time
 - + Capture the Work weeks time

Change Working Time

For calendar: Standard (Project Calendar) [Create New Calendar ...](#)

Calendar 'Standard' is a base calendar.

Legend:

- Working
- Nonworking
- 31 Edited working hours

On this calendar:

- 31 Exception day
- 31 Nondefault work week

Click on a day to see its working times:

January 2025

S	M	T	W	Th	F	S
				1	2	3
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	

Working times for January 10, 2025:

- 8:00 AM to 12:00 PM
- 1:00 PM to 5:00 PM

Based on:

Default work week on calendar 'Standard'.

Exceptions Work Weeks

	Name	Start	Finish
	[Default]	NA	NA

[Details...](#)

[Delete](#)

- Display the Project Information

Project Information for 'Exercise7_Module1'

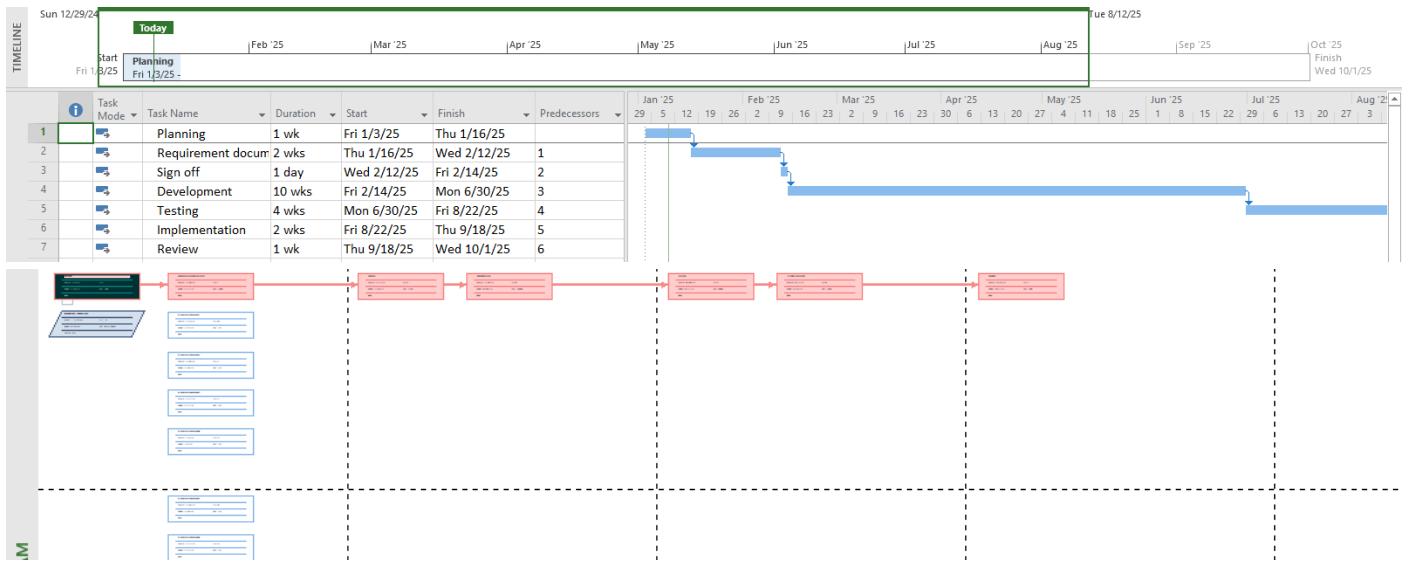
Start date:	Fri 1/3/25	Current date:	Fri 1/10/25
Finish date:	Wed 10/1/25	Status date:	NA
Schedule from:	Project Start Date	Calendar:	NgaTimeProject
All tasks begin as soon as possible.		Priority:	500

Enterprise Custom Fields

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Custom Field Name	Value

Help **Statistics...** **OK** **Cancel**



Exercise 6. Your project

- Create your plan from Monday to Sunday. It will list all of your activities, your time you spend and resources joining in each task.
- Create a new calendar called **Student** based on the **Standard** calendar.
- Change the **[Default]** work week so that the hours match to your calendar everyday
- Using Note function in MP 2010 to take note for important tasks in your plan.

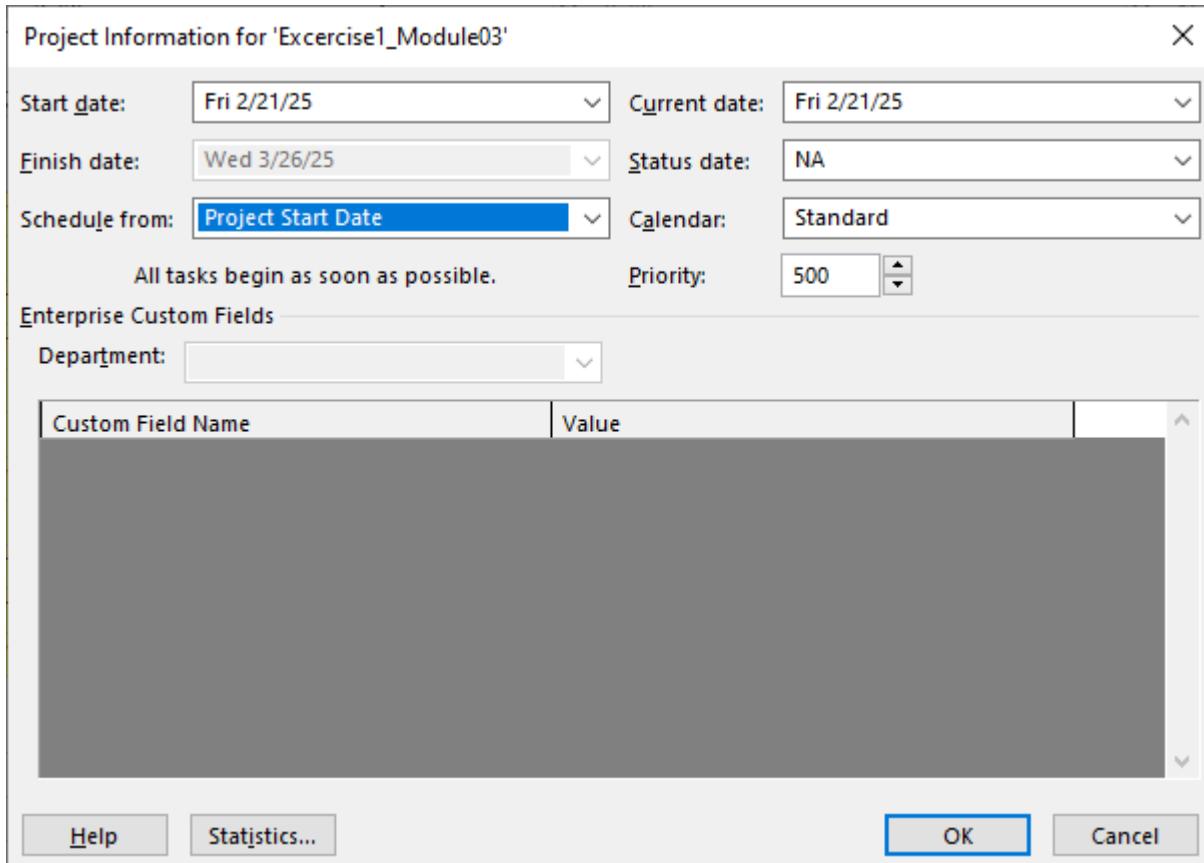
MODULE 3: WORKING WITH TASKS

Exercise 1. Changing Working Time (Start Date 1/3/2025)

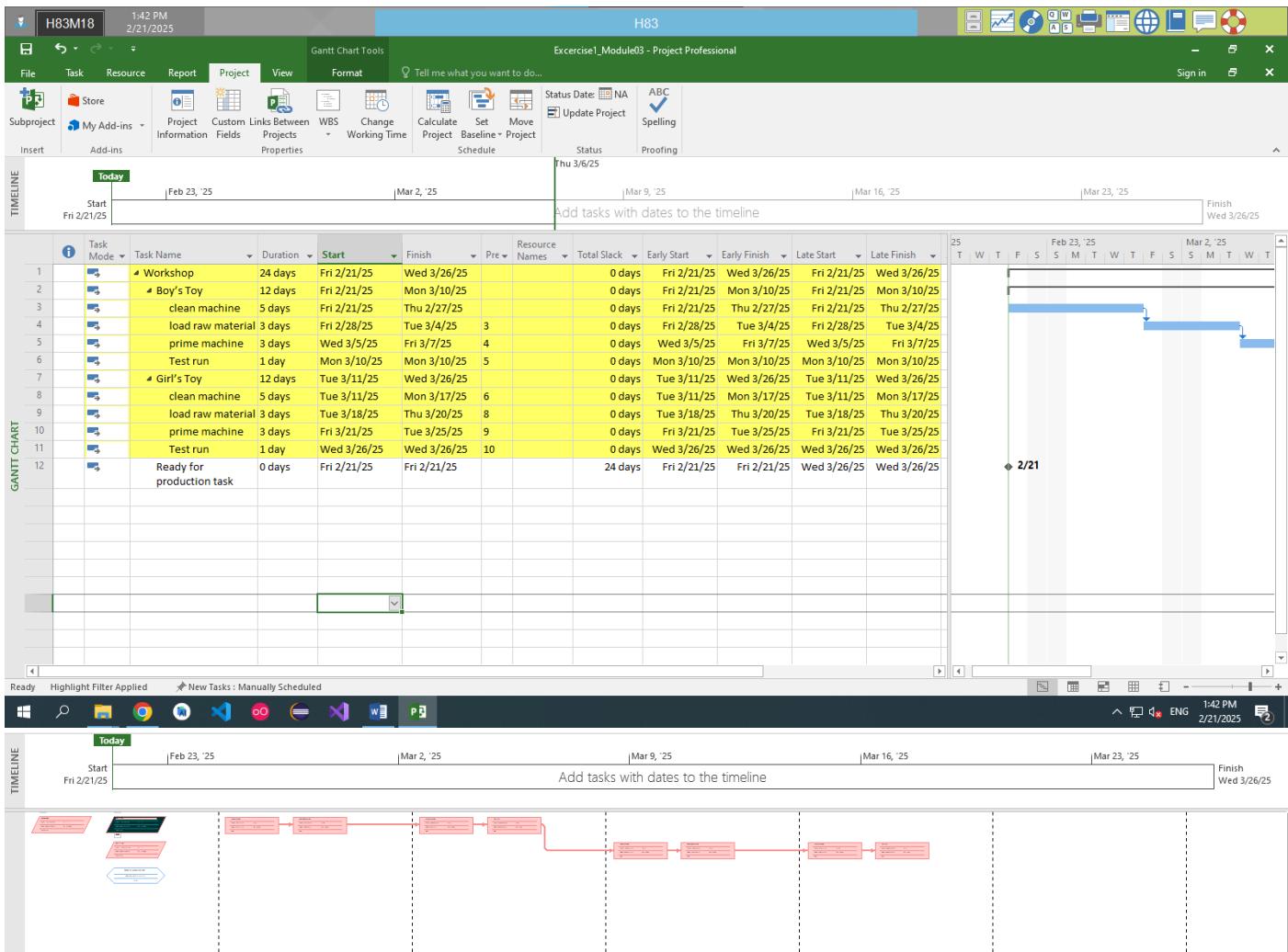
ID	TASK NAME	PREDECESSOR	DURATION
1	clean machine	NaN	5 days
2	load raw materials	1	3 days
3	prime machine	2	3 days
4	Test run	3	1 day
5	clean machine	4	5 days
6	load raw materials	5	3 days
7	prime machine	6	3 days
8	Test run	7	1 day

Create the summary tasks for series tasks below:

- Summary task name is **Boy's Toy** for tasks 1,2,3,4
- Summary task name is **Girl's Toy** for tasks 5,6,7,8
- Add the **Ready for production task** (0 day) that is the end task of the task list
- Summary Task name is **Workshop** for **Boy's Toy, Girl's Toy, and Ready for production tasks**
- Display the Project Information.



- View Project Timeline, Gantt Chart, view CP, Total Slack and capture the result of them



Exercise 2. Changing Working Time (Start Date 1/03/2025)

- Using the diagram below, create a list of tasks to model this process.

ID	TASK NAME	PREDECESSOR	DURATION
1	Visit estate agents		1 days
2	View properties	1	2 days
3	Decide what to buy	2	5 days
4	Make offer	3	0 day
5	Wait for decision	4	Don't know
6	Offer accepted	5	0 days

- Create the summary task is **Buy a shop** that contains all tasks in the project.
- Establish the duration of **Wait for a decision task** is 7 days.
- Change the duration of **View properties task** to 7 days.
- Display the Project Information.

Project Information for 'Excercise2_Module3'

Start date:	Fri 2/21/25	Current date:	Fri 2/21/25
Finish date:	Thu 3/20/25	Status date:	NA
Schedule from:	Project Start Date	Calendar:	Standard
All tasks begin as soon as possible.		Priority:	500

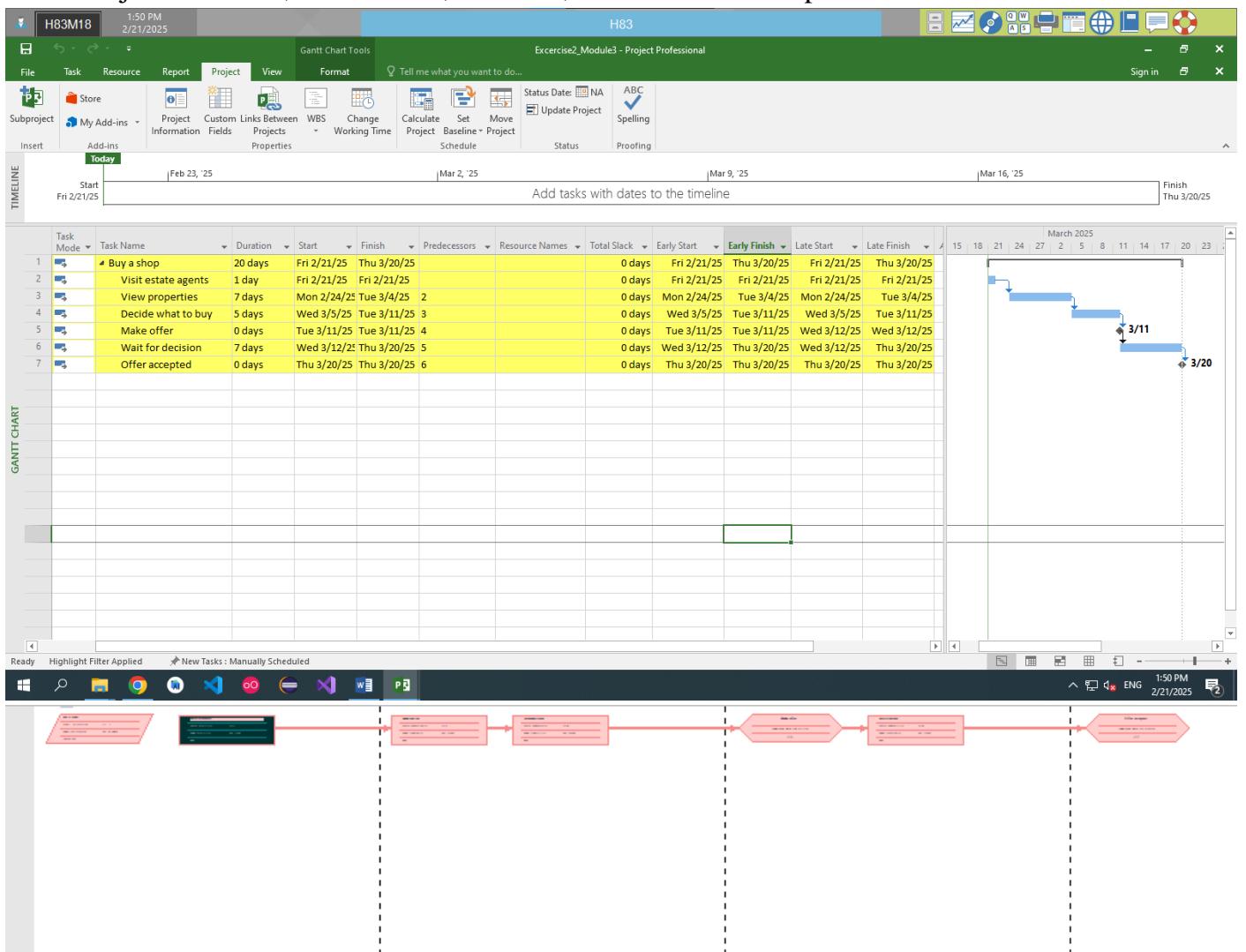
Enterprise Custom Fields

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Department:

Help **Statistics...** **OK** **Cancel**

- View Project Timeline, Gantt Chart, view CP, Total Slack and capture the result of them.



Exercise 3. Scheduling – Task dependencies

Create the list of tasks to model this processing (Start date: 1/3/2025)

ID	Task Name	Duration
1	Creating architectural plans	3 wks
2	Submit plans for approval	1 mon
3	Order materials	8 days
4	Erect fencing	3 days
5	Erect site building	4 days
6	Clear and level site	3 wks
7	Prepare drainage infrastructure	1 wk
8	Prepare cabling infrastructure	1 wk
9	Pour foundations	4 days
10	Erect steelwork	3 mons
11	Erect wall	2 mons
12	Install roofing superstructure	2 wks
13	Install roofing retracting mechanism	1 wk
14	Erect seating tiers	3 wks
15	Fit all windows and doors	2 wks
16	Install electrical cabling	1 wk
17	Install electrical fittings and fixtures	2 wks
18	Install all plumbing	2 wks
19	Install plumbing fixtures and fittings	1 wk
20	Lay astro turf	1 wk
21	Erect handrails and fencing	2 wks
22	Paint rooms, fixtures, fittings, etc.	1 mon
23	Install PA system	2 days
24	Install video imaging equipment	3 days
25	Fit out control room	1 wk
26	Test roof mechanism	1 wk
27	Test PA system	2 days
28	Test video imaging equipment	2 days
29	Test control room equipment	1 wk
30	Obtain official occupancy	1 day
31	Obtain safety certification	2 days
32	Official opening	1 day

Create the summary tasks for series tasks below:

- Summary task name is **Planning (20 days)** for tasks 1,2,3.

- Summary task name is **Site Works (15 days)** from task 4 to task 8.
- Summary task name is **Building Construction (60 days)** from task 9 to task 14.
- Summary task name is **Fit Out (20 days)** from task 15 to task 25.
- Summary task name is **Commissioning (5 days)** from task 26 to the end task.

Create the milestones for this project below:

No	Milestone	At End Of phrases
1	Planning Completed	Planning
2	Site Works Completed	Site works
3	Building Construction Completed	Building Construction
4	Fit Out Completed	Fit out
5	Commissioning Completed	Commissioning

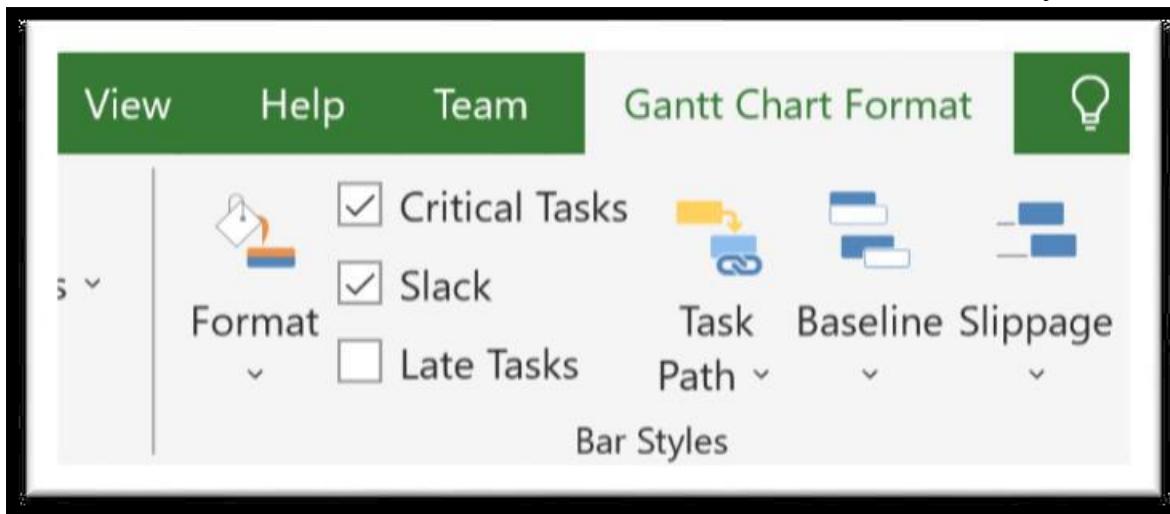
Creating Dependencies in Task Entry

ID	TASK NAME	Duration	Dependencies
1	Planning		
2	Creating architectural plans	3 wks	1
3	Submit plans for approval	1 mon	2
4	Order materials	8 days	3
5	Planning Completed	0	2, 3, 2004
6	Site works		5
7	Erect fencing	3 days	6
8	Erect site building	4 days	7
9	Clear and level site	3 wks	8
10	Prepare drainage infrastructure	1 wk	9
11	Prepare cabling infrastructure	1 wk	9
12	Site works Completed	0	7, 8, 9, 10, 11
13	Building Construction		12
14	Pour foundations	4 days	13
15	Erect steelwork	3 mons	14
16	Erect wall	2 mons	15
17	Install roofing superstructure	2 wks	16
18	Install roofing retracting mechanism	1 wk	17
19	Erect seating tiers	3 wks	18
20	Building Construction Completed	0	14, 15, 16, 17, 18, 19
21	Fit Out		20
22	Fit all windows and doors	2 wks	21

23	Install electrical cabling	1 wk	21
24	Install electrical fittings and fixtures	2 wks	23
25	Install all plumbing	2 wks	21
26	Install plumbing fixtures and fittings	1 wk	25
27	Lay astro turf	1 wk	21
28	Erect handrails and fencing	2 wks	21
29	Paint rooms, fixtures, fittings, etc.	1 mon	28
30	Install PA system	2 days	23
31	Install video imaging equipment	3 days	23
32	Fit out control room	1 wk	29, 30, 31
33	Fit Out Completed	0	22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32
34	Commissioning		33
35	Test roof mechanism	1 wk	34
36	Test PA system	2 days	33
37	Test video imaging equipment	2 days	33
38	Test control room equipment	1 wk	35, 36, 37
39	Obtain official occupancy	1 day	38
40	Obtain safety certification	2 days	39
41	Official opening	1 day	40
42	Commissioning Completed	0	35, 36, 37, 38, 39, 40, 41

Display the Project Information.

- View the project in Gantt Chart and define CP and Project Slack
-
- Choose **Gantt Chart Format** tab => check on **Critical Tasks** in **Bar Styles**.



- Check on **Slack** in **Bar Styles** slack lines in non-critical tasks
- On the table data Add column **Late Start**, **Late Finish**, **Total Slack**

Project Information for 'Excercise3_Module3'



Start date:	<input type="text" value="Fri 2/21/25"/>	Current date:	<input type="text" value="Fri 2/21/25"/>		
Finish date:	<input type="text" value="Thu 2/5/26"/>	Status date:	<input type="text" value="NA"/>		
Schedule from:	<input type="text" value="Project Start Date"/>	Calendar:	<input type="text" value="Standard"/>		
All tasks begin as soon as possible.		Priority:	<input type="text" value="500"/>		
Enterprise Custom Fields <table border="1"> <tr> <td>Custom Field Name</td> <td>Value</td> </tr> </table>				Custom Field Name	Value
Custom Field Name	Value				
Department: <input type="text"/>					
<input type="button" value="Help"/> <input type="button" value="Statistics..."/> <input type="button" value="OK"/> <input type="button" value="Cancel"/>					

H83M18
2:44 PM
2/21/2025

Gantt Chart To...
Excercise3_Module3 - Project Professional
Sign in

File
Task
Resource
Report
Project
View
Format

Wed 2/19/25
Fri 2/21/25
1 day
Start
Fri 2/21/25
Finish
Thu 2/5/26

Mar '25
Apr '25
May '25
Jun '25
Jul '25
Aug '25
Sep '25
Oct '25
Nov '25
Dec '25
Jan '26
Feb '26

Add tasks with dates to the timeline
Finish

Timeline
Gantt Chart

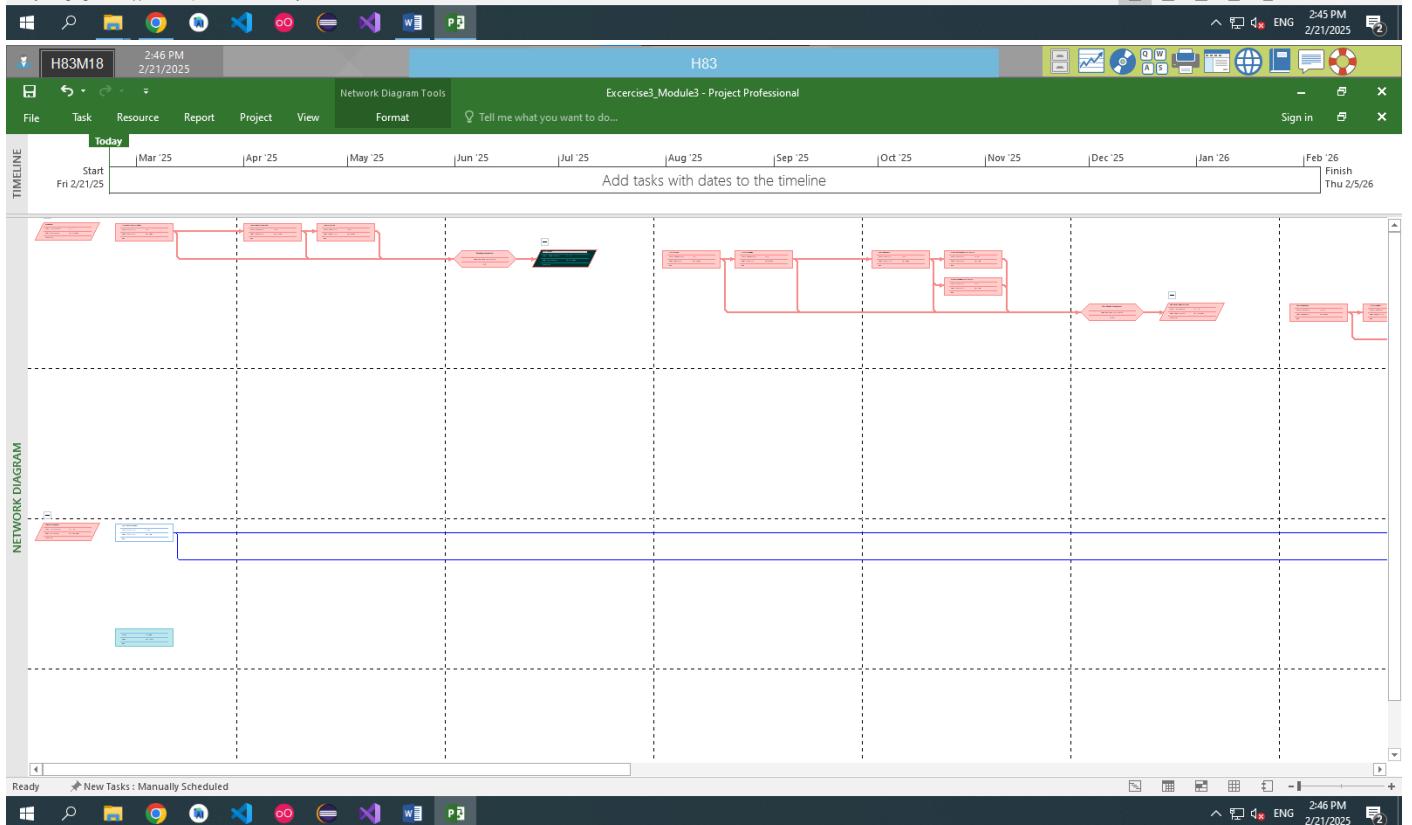
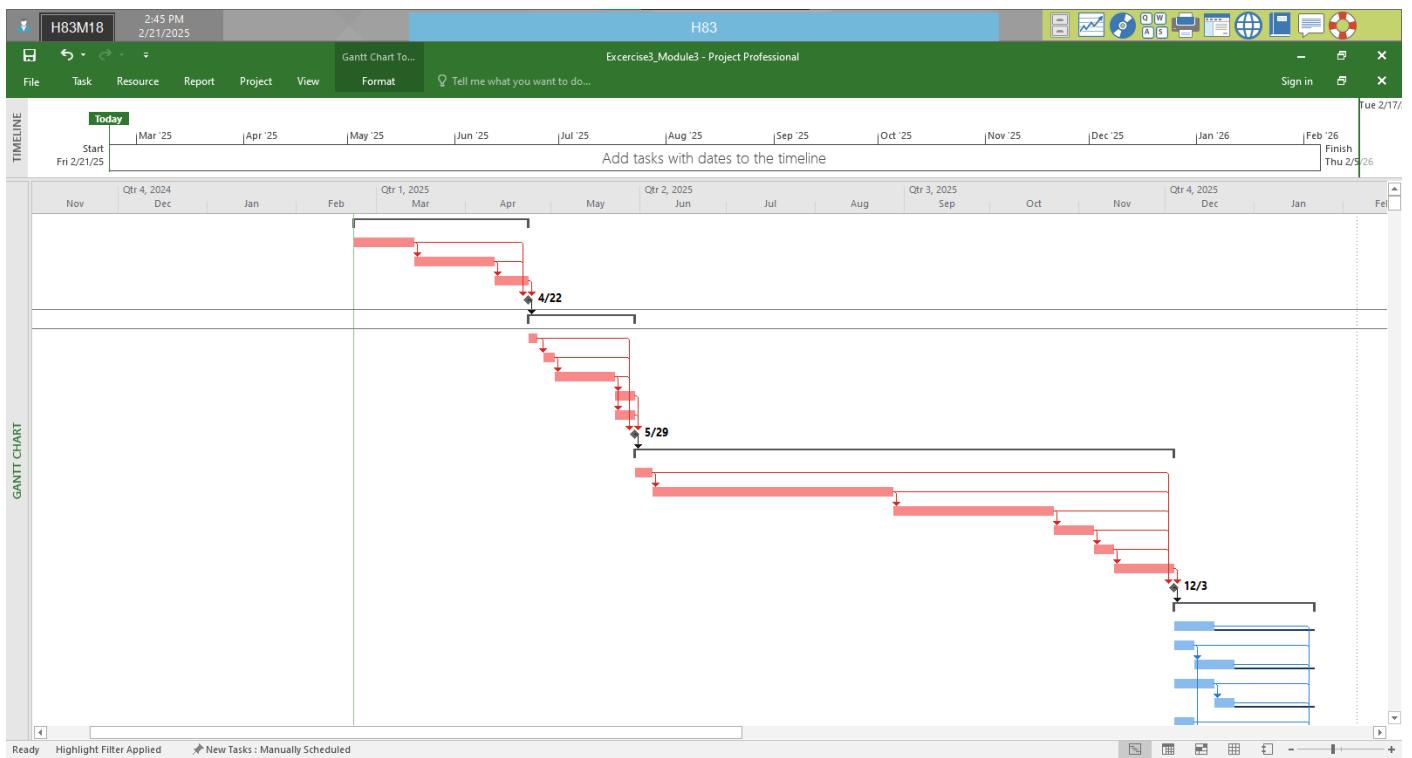
Task Mode
Task Name
Duration
Start
Finish
Predecessors
Resource Names
Total Slack
Early Start
Early Finish
Late Start
Late Finish
Add New C

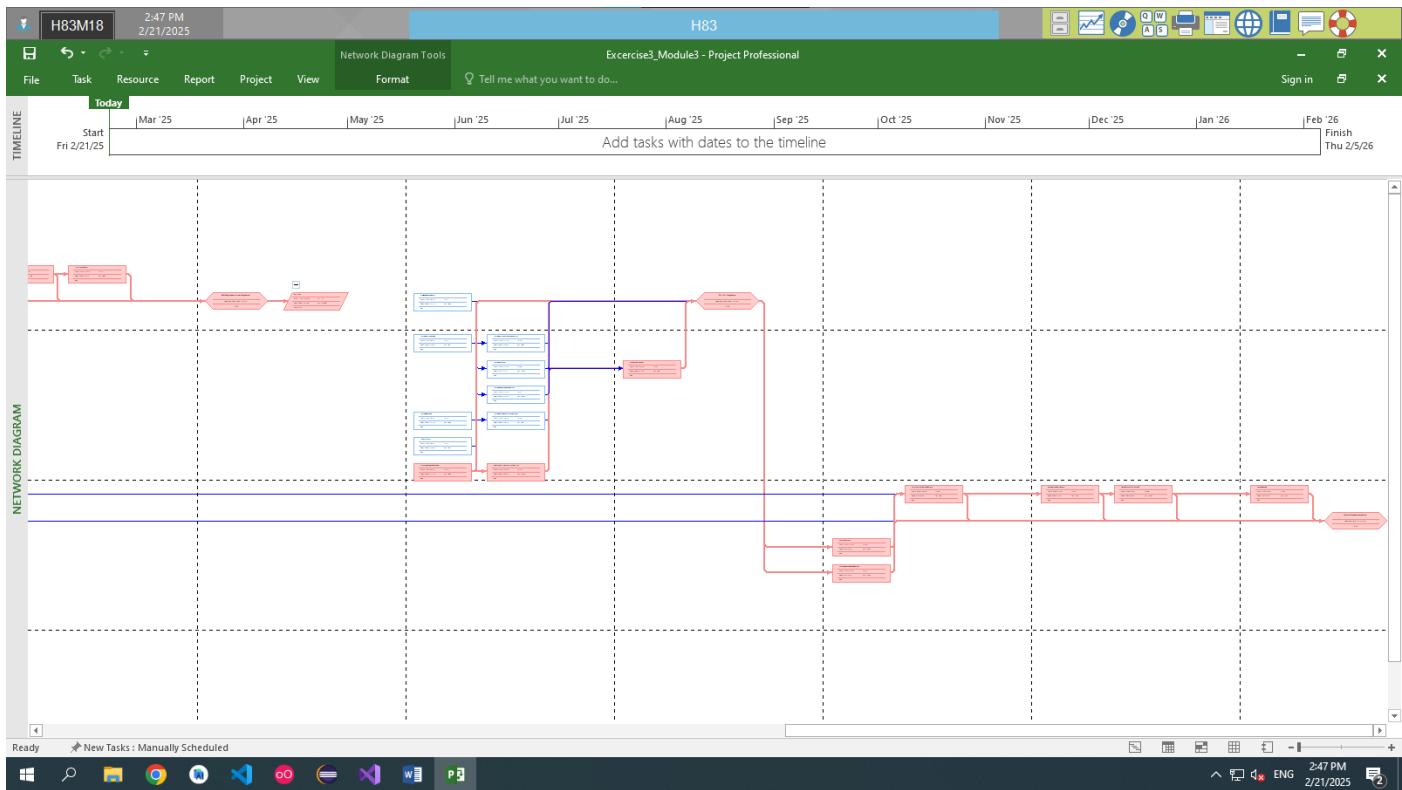
W
T

Task Mode	Task Name	Duration	Start	Finish	Predecessors	Resource Names	Total Slack	Early Start	Early Finish	Late Start	Late Finish	Add New C
1	Planning	43 days	Fri 2/21/25	Tue 4/22/25			0 days	Fri 2/21/25	Tue 4/22/25	Fri 2/21/25	Wed 4/23/25	
2	Creating architectural plans	3 wks	Fri 2/21/25	Thu 3/13/25			0 wks	Fri 2/21/25	Thu 3/13/25	Fri 2/21/25	Thu 3/13/25	
3	Submit plans for approval	1 mon	Fri 3/14/25	Thu 4/10/25	2		0 mons	Fri 3/14/25	Thu 4/10/25	Fri 3/14/25	Thu 4/10/25	
4	Order materials	8 days	Fri 4/11/25	Tue 4/22/25	3		0 days	Fri 4/11/25	Tue 4/22/25	Fri 4/11/25	Tue 4/22/25	
5	Planning Completed	0 days	Tue 4/22/25	Tue 4/22/25	2,3,4		0 days	Tue 4/22/25	Tue 4/22/25	Tue 4/22/25	Wed 4/23/25	
6	Site Works	27 days	Wed 4/23/25	Thu 5/29/25	5		0 days	Wed 4/23/25	Thu 5/29/25	Wed 4/23/25	Fri 5/30/25	
7	Erect fencing	3 days	Wed 4/23/25	Fri 4/25/25			0 days	Wed 4/23/25	Fri 4/25/25	Wed 4/23/25	Fri 4/25/25	
8	Erect site building	4 days	Mon 4/28/25	Thu 5/1/25	7		0 days	Mon 4/28/25	Thu 5/1/25	Mon 4/28/25	Thu 5/1/25	
9	Clear and level site	3 wks	Fri 5/2/25	Thu 5/22/25	8		0 wks	Fri 5/2/25	Thu 5/22/25	Fri 5/2/25	Thu 5/22/25	
10	Prepare drainage infrastructure	1 wk	Fri 5/23/25	Thu 5/29/25	9		0 wks	Fri 5/23/25	Thu 5/29/25	Fri 5/23/25	Thu 5/29/25	
11	Prepare cabling infrastructure	1 wk	Fri 5/23/25	Thu 5/29/25	9		0 wks	Fri 5/23/25	Thu 5/29/25	Fri 5/23/25	Thu 5/29/25	
12	Site Works Completed	0 days	Thu 5/29/25	Thu 5/29/25	7,8,9,10,11		0 days	Thu 5/29/25	Thu 5/29/25	Thu 5/29/25	Fri 5/30/25	
13	Building Construction	134 days	Fri 5/30/25	Wed 12/3/25	12		0 days	Fri 5/30/25	Wed 12/3/25	Fri 5/30/25	Thu 12/4/25	
14	Pour foundations	4 days	Fri 5/30/25	Wed 6/4/25			0 days	Fri 5/30/25	Wed 6/4/25	Fri 5/30/25	Wed 6/4/25	
15	Erect steelwork	3 mons	Thu 6/5/25	Wed 8/27/25	14		0 mons	Thu 6/5/25	Wed 8/27/25	Thu 6/5/25	Wed 8/27/25	
16	Erect wall	2 mons	Thu 8/28/25	Wed 10/22/25	15		0 mons	Thu 8/28/25	Wed 10/22/25	Thu 8/28/25	Wed 10/22/25	
17	Install roofing superstructure	2 wks	Thu 10/23/25	Wed 11/5/25	16		0 wks	Thu 10/23/25	Wed 11/5/25	Thu 10/23/25	Wed 11/5/25	
18	Install roofing retracting mechanism	1 wk	Thu 11/6/25	Wed 11/12/25	17		0 wks	Thu 11/6/25	Wed 11/12/25	Thu 11/6/25	Wed 11/12/25	
19	Erect seating tiers	3 wks	Thu 11/13/25	Wed 12/3/25	18		0 wks	Thu 11/13/25	Wed 12/3/25	Thu 11/13/25	Wed 12/3/25	
20	Building Construction Completed	0 days	Wed 12/3/25	Wed 12/3/25	14,15,16,17,18,19		0 days	Wed 12/3/25	Wed 12/3/25	Thu 12/4/25	Thu 12/4/25	
21	Fit Out	35 days	Thu 12/4/25	Wed 1/21/26	20		0 days	Thu 12/4/25	Wed 1/21/26	Thu 12/4/25	Thu 1/22/26	
22	Fit all windows and doors	2 wks	Thu 12/4/25	Wed 12/17/25			5 wks	Thu 12/4/25	Wed 12/17/25	Thu 1/8/26	Wed 1/21/26	
23	Install electrical cabling	1 wk	Thu 12/4/25	Wed 12/10/25			4 wks	Thu 12/4/25	Wed 12/10/25	Thu 1/1/26	Wed 1/7/26	
24	Install electrical fittings and fixtures	2 wks	Thu 12/11/25	Wed 12/24/25	23		4 wks	Thu 12/11/25	Wed 12/24/25	Thu 1/8/26	Wed 1/21/26	
25	Install all plumbing	2 wks	Thu 12/4/25	Wed 12/17/25			4 wks	Thu 12/4/25	Wed 12/17/25	Thu 1/1/26	Wed 1/14/26	
26	Install plumbing fixtures and fittings	1 wk	Thu 12/18/25	Wed 12/24/25			4 wks	Thu 12/18/25	Wed 12/24/25	Thu 1/15/26	Wed 1/21/26	
27	Lav astro turf	1 wk	Thu 12/4/25	Wed 12/10/25			6 wks	Thu 12/4/25	Wed 12/10/25	Thu 1/15/26	Wed 1/21/26	

Ready Highlight Filter Applied New Tasks : Manually Scheduled

2:44 PM 2/21/2025 ENG





MODULE 4: ASSIGNING THE RESOURCE FOR A PROJECT

Capture the Project Information before and after assigning the resource

Exercise 1. Entering work resource

- Open the Exercise 1 (Module 3)
- Tab View => Resource Sheet
- Add the resource for this project below: Type Work (person)

STT	Name	Initials	Groups	Max. Units	Std. Rate
1.	David	Dav	Consultant	100%	8
2.	Brian	Bri	Staff	200%	7
3.	Mary	Mar	Staff	100%	7
4.	John	Joh	Staff	100%	7
5.	Worker 1: Liam	W1	Worker	300%	6
6.	Worker 2: Chang	W2	Worker	200%	6

- Assign the resource for each task

Tab Task => Gantt Chart => Add Column Resource Name, Cost

Select the task that you want to assign the resource

ID	TASK NAME	RESOURCE
1	clean machine	Worker 1, David
2	load raw materials	Worker 2
3	prime machine	Mary
4	Test run	Brian
5	clean machine	Worker 1
6	load raw materials	Worker 2
7	prime machine	John
8	Test run	David

Capture images:

- Gantt Chart (Resource Name, Cost Column)

TIMELINE

	Task Mode	Task Name	Duration	Start	Finish	Predecessors	Resource Names	Cost	Add New Column
1	Workshop	24 days	Fri 2/21/25	Wed 3/26/25				\$1,544.00	
2	Boy's Toy	12 days	Fri 2/21/25	Mon 3/10/25				\$928.00	
3	clean machine	5 days	Fri 2/21/25	Thu 2/27/25		David ,Worker 1: Liam		\$560.00	
4	load raw material	3 days	Fri 2/28/25	Tue 3/4/25	3	Worker 2: Chang		\$144.00	
5	prime machine	3 days	Wed 3/5/25	Fri 3/7/25	4	Mary		\$168.00	
6	Test run	1 day	Mon 3/10/25	Mon 3/10/25	5	Brian		\$56.00	
7	Girl's Toy	12 days	Tue 3/11/25	Wed 3/26/25				\$616.00	
8	clean machine	5 days	Tue 3/11/25	Mon 3/17/25	6	Worker 1: Liam		\$240.00	
9	load raw material	3 days	Tue 3/18/25	Thu 3/20/25	8	Worker 2: Chang		\$144.00	
10	prime machine	3 days	Fri 3/21/25	Tue 3/25/25	9	John		\$168.00	
11	Test run	1 day	Wed 3/26/25	Wed 3/26/25	10	David		\$64.00	
12	Ready for production task	0 days	Fri 2/21/25	Fri 2/21/25				\$0.00	

GANTT CHART

- Display the Project Information (Statics): Duration, Hours, Cost

Project Statistics for 'Excercise1_Module3'

	Start	Finish
Current	Fri 2/21/25	Wed 3/26/25
Baseline	NA	NA
Actual	NA	NA
Variance	0d	0d

	Duration	Work	Cost
Current	24d	232h	\$1,544.00
Baseline	0d	0h	\$0.00
Actual	0d	0h	\$0.00
Remaining	24d	232h	\$1,544.00

Percent complete:
Duration: 0% Work: 0%

Close

- Resource Sheet

TIMELINE

	Task Mode	Task Name	Duration	Start	Finish	Predecessors	Resource Names	Cost	Add New Column
1	Workshop	24 days	Fri 2/21/25	Feb 23, '25	Mar 2, '25			\$1,544.00	
2	Boy's Toy	12 days	Fri 2/21/25	Mar 2, '25	Mar 9, '25			\$928.00	
3	clean machine	5 days	Fri 2/21/25	Feb 23, '25	Mar 2, '25			\$560.00	
4	load raw material	3 days	Fri 2/28/25	Mar 2, '25	Mar 9, '25			\$144.00	
5	prime machine	3 days	Wed 3/5/25	Mar 2, '25	Mar 9, '25			\$168.00	
6	Test run	1 day	Mon 3/10/25	Mar 2, '25	Mar 9, '25			\$56.00	
7	Girl's Toy	12 days	Tue 3/11/25	Mar 2, '25	Mar 9, '25			\$616.00	
8	clean machine	5 days	Tue 3/11/25	Mar 2, '25	Mar 9, '25			\$240.00	
9	load raw material	3 days	Tue 3/18/25	Mar 2, '25	Mar 9, '25			\$144.00	
10	prime machine	3 days	Fri 3/21/25	Mar 2, '25	Mar 9, '25			\$168.00	
11	Test run	1 day	Wed 3/26/25	Mar 2, '25	Mar 9, '25			\$64.00	
12	Ready for production task	0 days	Fri 2/21/25	Mar 2, '25	Mar 9, '25			\$0.00	

- Resource Usage

Exercise 2. Changing Working Time (Start Date 1/11/2024)\

- Open the Exercise 2 (Module 3)
- Tab View => Resource Sheet
- Add the resource for this project bellow: Type Material

STT	Name	Type	Materials	Initials	Groups	Std. Rate
1.	MDF	Material	Sheet	Md	Material	20
2.	Flooring	Material	Pack	Fl	Material	80
3.	Purple Material	Material	Roll	Pu	Material	30
4.	Orange Material	Material	Roll	Or	Material	120

- Assign the resource for each task
- Tab Task => Gantt Chart => Add Column Resource Name, Cost
- Select the task that you want to assign the resource
- Select Tab Resource => Assign Resource
- The information of resource that will assign for the task

ID	TASK NAME	RESOURCE
1	Visit estate agents	MDF [2]
2	View properties	Flooring [2]
3	Decide what to buy	Purple Material [1]
4	Make offer	Flooring [1], Purple Material [1]

5	Wait for decision	Flooring [1], Orange Material [1]
6	offer a accepted	Orange Material [2]

Capture images:

- Gantt Chart (Resource Name, Cost Column)

Task Mode	Task Name	Duration	Start	Finish	Predecessors	Resource Names	Cost
➡	Buy a shop	22 days	Fri 2/21/25	Mon 3/24/25			\$780.00
➡	Visit estate agents	1 day	Fri 2/21/25	Fri 2/21/25		MDF [2 Sheet]	\$40.00
➡	View properties	7 days	Mon 2/24/25	Tue 3/4/25	2	Flooring [2 Pack]	\$160.00
➡	Decide what to buy	5 days	Wed 3/5/25	Tue 3/11/25	3	Purple Material [1 Roll]	\$30.00
➡	Make offer	1 day	Wed 3/12/25	Wed 3/12/25	4	Flooring [1 Pack],Purple Material [1 Roll]	\$110.00
➡	Wait for decision	7 days	Thu 3/13/25	Fri 3/21/25	5	Flooring [1 Pack],Orange Material [1 Roll]	\$200.00
➡	Offer accepted	1 day	Mon 3/24/25	Mon 3/24/25	6	Orange Material [2 Roll]	\$240.00

- Display the Project Information (Statics): Duration, Hours, Cost

	Start	Finish
Current	Fri 2/21/25	Mon 3/24/25
Baseline	NA	NA
Actual	NA	NA
Variance	0d	0d
	Duration	Work
Current	22d	0h
Baseline	0d	0h
Actual	0d	0h
Remaining	22d	0h
Percent complete:		
Duration: 0% Work: 0%		Close

- Resource Sheet

Resource Name	Type	Material	Initials	Group	Max.	Std. Rate	Ovt.	Cost/Use	Accrue
MDF	Material	Sheet	Md	Material		\$20.00		\$0.00	Prorated
Flooring	Material	Pack	Fl	Material		\$80.00		\$0.00	Prorated
Purple Material	Material	Roll	Pu	Material		\$30.00		\$0.00	Prorated
Orange Material	Material	Roll	Or	Material		\$120.00		\$0.00	Prorated

- Resource Usage

Exercise 3. Entering work resource

- Create the project bellowing:

ID	TASK NAME	PREDECESSOR	DURATION
1	Planning	-	1 wk
2	Requirement documents	1	2 wks
3	Sign off	2	1 day
4	Development	3	10 wks
5	Testing	4	4 wks
6	Implementation	5	2 wks
7	Review	6	1 wk

- Tab View => Resource Sheet / Tab Task => Resource Sheet

- Add the resource for this project bellow: Type Work/Material

STT	Name	Type	Materials	Initials	Groups	Std. Rate
1.	PM	Work	Sponsor	PM	Staff	10
2.	Designer	Work		Ds	Staff	6
3.	Developer	Work		Dp	Staff	8
4.	Tester	Work		Tt	Staff	6
5.	Maintainer	Work		M	Staff	5
6.	Operating System	Material	Unit	OS	Material	120
7.	Internet Provider	Material	Unit	ISP	Material	100
8.	Cable	Material	M	Cb	Material	1
9.	Visual Studio	Material	Unit	VS	Material	20

- Assign the resource for each task

ID	Task Name	Work	Material
1	Planning	PM	
2	Requirement documents	PM, Designer	
3	Sign off	PM	
4	Development	Developer	Operating System [1], Visual Studio [1]
5	Testing	Tester	
6	Implementation	Maintainer	Operating System, Visual Studio, Cable [100]
7	Review	PM, Maintainer	

Capture images:

- Gantt Chart (Resource Name, Cost Column)

Task Mode	Task Name	Duration	Start	Finish	Predecessors	Resource Names	Cost
→	Planning	1 wk	Fri 2/28/25	Thu 3/6/25		PM	\$400.00
→	Requirement documents	2 wks	Fri 3/7/25	Thu 3/20/25	1	Designer ,PM	\$1,280.00
→	Sign off	1 day	Fri 3/21/25	Fri 3/21/25	2	PM	\$80.00
→	Development	10 wks	Mon 3/24/25	Fri 5/30/25	3	Operating System [1 Unit],Visual Studio [1 Unit],Developer	\$3,340.00
→	Testing	4 wks	Mon 6/2/25	Fri 6/27/25	4	Tester	\$960.00
→	Implementation	2 wks	Mon 6/30/25	Fri 7/11/25	5	Cable [100 M],Operating System [1 Unit],Visual Studio [1 Unit]	\$240.00
→	Review	1 wk	Mon 7/14/25	Fri 7/18/25	6	Maintainer ,PM	\$600.00

- Display the Project Information (Statics): Duration, Hours, Cost

Project Statistics for 'Excercise3_Module4'			
	Start	Finish	
Current	Fri 2/28/25	Fri 7/18/25	
Baseline	NA	NA	
Actual	NA	NA	
Variance	0d	0d	
	Duration	Work	Cost
Current	101d	848h	\$6,900.00
Baseline	0d	0h	\$0.00
Actual	0d	0h	\$0.00
Remaining	101d	848h	\$6,900.00
Percent complete:			
Duration: 0% Work: 0%			<input type="button" value="Close"/>

- Resource Sheet

	Resource Name	Type	Material	Initials	Group	Max.	Std. Rate	Ovt.	Cost/Use	Accrue	Base
	PM	Work		PM	Staff	100%	\$10.00/hr	\$0.00/hr	\$0.00	Prorated	Standard
	Designer	Work		Ds	Staff	100%	\$6.00/hr	\$0.00/hr	\$0.00	Prorated	Standard
	Developer	Work		Dp	Staff	100%	\$8.00/hr	\$0.00/hr	\$0.00	Prorated	Standard
	Tester	Work		Tt	Staff	100%	\$6.00/hr	\$0.00/hr	\$0.00	Prorated	Standard
	Maintainer	Work		M	Staff	100%	\$5.00/hr	\$0.00/hr	\$0.00	Prorated	Standard
	Operating System	Material	Unit	OS	Material		\$120.00		\$0.00	Prorated	
	Internet Provider	Material	Unit	ISP	Material		\$100.00		\$0.00	Prorated	
	Cable	Material	M	Cb	Material		\$1.00		\$0.00	Prorated	
	Visual Studio	Material	Unit	VS	Material		\$20.00		\$0.00	Prorated	

- Resource Usage

The screenshot shows the Microsoft Project Professional interface. The ribbon is at the top with tabs: File, Task, Resource, Report, Project, View, Format, Insert, and others. The main area is titled 'Resource Usage' and shows a resource calendar for March 2025. The calendar grid includes columns for Monday through Sunday and rows for different resources. Tasks are assigned to resources, and the timeline at the bottom shows tasks from Mar 2, '25 to Jul 6, '25.

Exercise 4. Entering work resource

- Capture the Project Information before and after assigning the the source.
- Open the Exercise 3 (Module 3)
- Tab View => Resource Sheet => Resource Views
- Establish the resource that type is work (default) for the project below:

STT	Name	Initials	Groups	Max. Units	Std. Rate
1.	Architect	Arc	Consultant	100%	9
2.	Draftsperson	Dft	Staff	200%	7
3.	Building Clerk	BC	Staff	100%	8
4.	Supervisor	Sup	Staff	100%	12
5.	Rigger	Rig	Wages	600%	5
6.	Boilermaker	BM	Wages	600%	5
7.	Welder	Weld	Wages	500%	6

8.	Carpenter	Car	Wages	800%	7
9.	Painter	Ptr	Wages	500%	6
10.	Labourer	Lab	Wages	1000%	6
11.	Driver	Drv	Wages	300%	8
12.	No Barrier Fencing	NBF	Contractor	100%	3
13.	Rock Solid Concrete	RSC	Contractor	100%	4
14.	Listen Ear Audio	LEA	Contractor	100%	5
15.	In Focus Video	IFV	Contractor	100%	5
16.	Pure Grass Turf	PGT	Contractor	100%	5
17.	Building Inspector	BI	Government	100%	5
18.	High Jib Crane	HJC	Equipment	100%	7
19.	Grader	Grd	Equipment	200%	6
20.	Air Compressor	AC	Equipment	100%	7
21.	Utility Ute	Ute	Equipment	200%	5
22.	Electrician	Cap	Staff	400%	7
23.	Plumber	Plu	Staff	400%	5

- Establish the resource that type is material for the project below at the of Resource list above:

STT	Name	Type	Materials	Initials	Groups	Std. Rate
24.	Astro Turf	Material	Square Metre	Grass	Material	12
25.	Paint	Material	Ultre	Ute	Paint	20

- Assign the resource for each task in the project

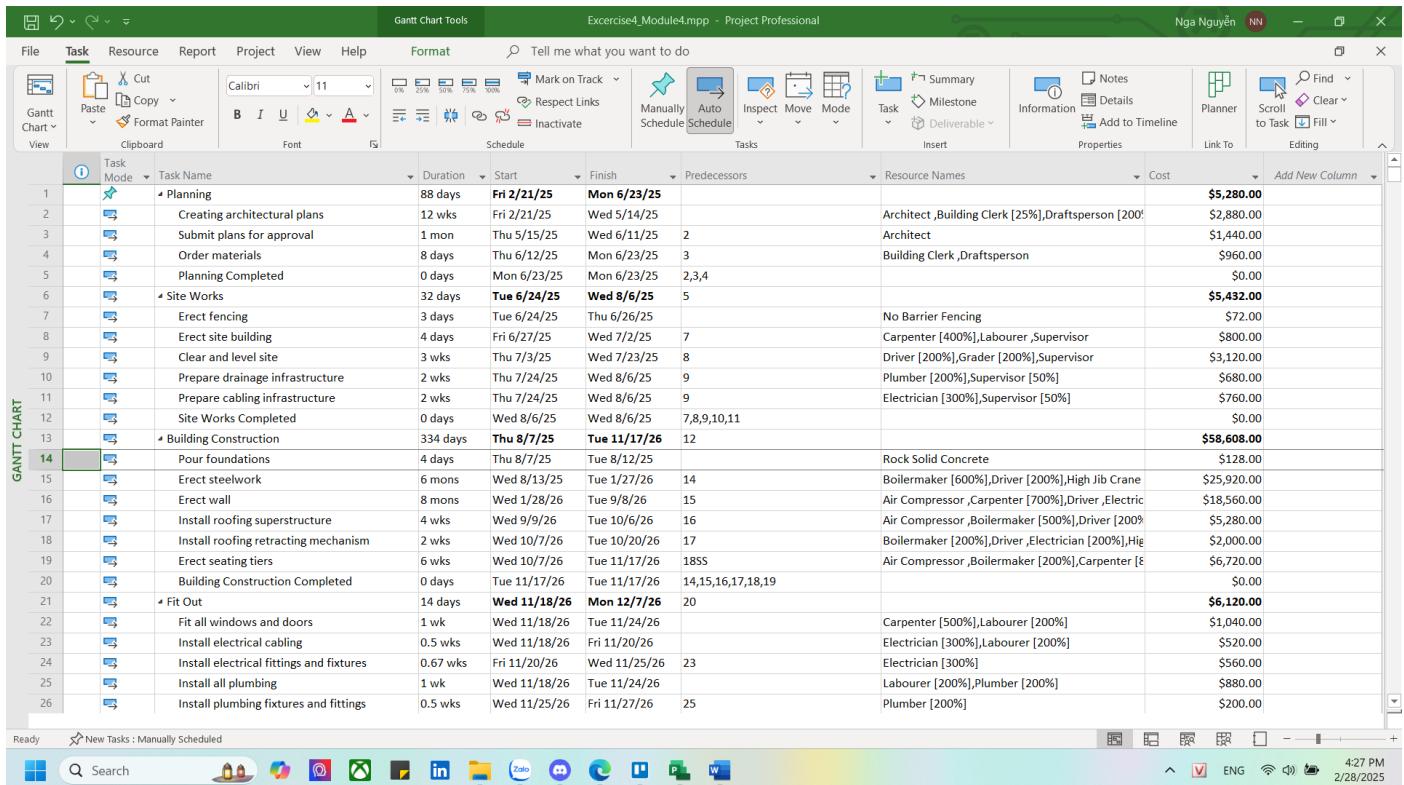
ID	TASK NAME	RESOURCE
1	Planning	
2	Creating architectural plans	Architect, Draftsperson (200%), Building Clerk (25%)
3	Submit plans for approval	Architect
4	Order materials	Draftsperson, Building Clerk
5	Planning Completed	
6	Site works	
7	Erect fencing	No Barrier Fencing
8	Erect site building	Carpenter (400%), Supervisor, Laborer
9	Clear and level site	Supervisor, Grader (200%), Driver (200%)

10	Prepare drainage infrastructure	Supervisor (50%), Plumber (200%)
11	Prepare cabling infrastructure	Supervisor (50%), Electrician (300%)
12	Site works Completed	
13	Building Construction	
14	Pour foundations	Rock Solid Concrete
15	Erect steelwork	Supervisor (50%), Rigger (600%), Boilermaker (600%), Welder (500%), Laborer (600%), Driver (200%), High Jib Crane, Utility
16	Erect wall	Supervisor [50%], Carpenter [700%], Laborer [400%], Driver, Grader, Air Compressor, Electrician [75%], Plumber [25%]
17	Install roofing superstructure	Supervisor [50%], Rigger [500%], Boilermaker [500%], Welder [300%], Laborer [500%], Driver [200%], High Jib Crane, Utility, Air Compressor, Plumber [50%]
18	Install roofing retracting mechanism	Supervisor [50%], Welder, Boilermaker [200%], Rigger [200%], Electrician [200%], Driver, High Jib Crane
19	Erect seating tiers	Supervisor [50%], Carpenter [800%], Welder [200%], Boilermaker [200%], Laborer [500%], Driver, Utility, Air Compressor
20	Building Construction Completed	
21	Fit Out	
22	Fit all windows and doors	Carpenter [500%], Laborer [200%]
23	Install electrical cabling	Electrician [300%], Laborer [200%]
24	Install electrical fittings and fixtures	Electrician [300%]
25	Install all plumbing	Plumber [200%], Laborer [200%]
26	Install plumbing fixtures and fittings	Plumber [200%]
27	Lay astro turf	Pure Grass Turf
28	Erect handrails and fencing	Welder [400%], Boilermaker [200%]
29	Paint rooms, fixtures, fittings, etc.	Painter [500%]
30	Install PA system	Listen Ear Audio
31	Install video imaging equipment	In Focus Video
32	Fit out control room	Electrician [200%], Listen Ear Audio, In Focus Video

33	Fit out Completed	
34	Commissioning	
35	Test roof mechanism	Supervisor, Electrician [200%], Rigger
36	Test PA system	Listen Ear Audio
37	Test video imaging equipment	In Focus Video
38	Test control room equipment	Supervisor, Listen Ear Audio [20%], In Focus Video [20%], Architect, Electrician [200%]
39	Obtain official occupancy	Architect, Building Clerk, Supervisor
40	Obtain safety certification	Supervisor
41	Official opening	Supervisor [200%]
42	Commissioning Completed	

Capture images:

- Gantt Chart (Resource Name, Cost Column)



- Display the Project Information (Statics): Duration, Hours, Cost

Project Statistics for 'Excercise4_Module4.mpp'

X

	Start	Finish
Current	Fri 2/21/25	Fri 1/22/27
Baseline	NA	NA
Actual	NA	NA
Variance	0d	0d

	Duration	Work	Cost
Current	501.5d?	11,200h	\$78,600.00
Baseline	0d	0h	\$0.00
Actual	0d	0h	\$0.00
Remaining	501.5d?	11,200h	\$78,600.00

Percent complete:

Duration: 0%

Work: 0%

Close

- Resource Sheet

Resource Sheet Tools

Excercise4_Module4.mpp - Project Professional

Nga Nguyễn NN

Resource Name	Type	Material Label	Initials	Group	Max. Units	Std. Rate	Ovt. Rate	Cost/Use	Accrue	Base	Code	Add New Column
1 Architect	Work	Arc	Consultant	100%	\$9.00/hr	\$0.00/hr	\$0.00	Prorated	Standard			
2 Draftsperson	Work	Dft	Staff	200%	\$7.00/hr	\$0.00/hr	\$0.00	Prorated	Standard			
3 Building Clerk	Work	BC	Staff	100%	\$8.00/hr	\$0.00/hr	\$0.00	Prorated	Standard			
4 Supervisor	Work	Sup	Staff	100%	\$12.00/hr	\$0.00/hr	\$0.00	Prorated	Standard			
5 Rigger	Work	Rig	Wages	600%	\$5.00/hr	\$0.00/hr	\$0.00	Prorated	Standard			
6 Boilermaker	Work	BM	Wages	600%	\$5.00/hr	\$0.00/hr	\$0.00	Prorated	Standard			
7 Welder	Work	Weld	Wages	500%	\$6.00/hr	\$0.00/hr	\$0.00	Prorated	Standard			
8 Carpenter	Work	Car	Wages	800%	\$7.00/hr	\$0.00/hr	\$0.00	Prorated	Standard			
9 Painter	Work	Ptr	Wages	500%	\$6.00/hr	\$0.00/hr	\$0.00	Prorated	Standard			
10 Labourer	Work	Lab	Wages	1,000%	\$6.00/hr	\$0.00/hr	\$0.00	Prorated	Standard			
11 Driver	Work	Drv	Wages	300%	\$8.00/hr	\$0.00/hr	\$0.00	Prorated	Standard			
12 No Barrier Fencing	Work	NBF	Contractor	100%	\$3.00/hr	\$0.00/hr	\$0.00	Prorated	Standard			
13 Rock Solid Concrete	Work	RSC	Contractor	100%	\$4.00/hr	\$0.00/hr	\$0.00	Prorated	Standard			
14 Listen Ear Audio	Work	LEA	Contractor	100%	\$5.00/hr	\$0.00/hr	\$0.00	Prorated	Standard			
15 In Focus Video	Work	IFV	Contractor	100%	\$5.00/hr	\$0.00/hr	\$0.00	Prorated	Standard			
16 Pure Grass Turf	Work	PGT	Contractor	100%	\$5.00/hr	\$0.00/hr	\$0.00	Prorated	Standard			
17 Building Inspector	Work	BI	Government	100%	\$5.00/hr	\$0.00/hr	\$0.00	Prorated	Standard			
18 High Jib Crane	Work	HJC	Equipment	100%	\$7.00/hr	\$0.00/hr	\$0.00	Prorated	Standard			
19 Grader	Work	Grd	Equipment	200%	\$6.00/hr	\$0.00/hr	\$0.00	Prorated	Standard			
20 Air Compressor	Work	AC	Equipment	100%	\$7.00/hr	\$0.00/hr	\$0.00	Prorated	Standard			
21 Utility Ute	Work	Ute	Equipment	200%	\$5.00/hr	\$0.00/hr	\$0.00	Prorated	Standard			
22 Electrician	Work	Cap	Staff	400%	\$7.00/hr	\$0.00/hr	\$0.00	Prorated	Standard			
23 Plumber	Work	Plu	Staff	400%	\$5.00/hr	\$0.00/hr	\$0.00	Prorated	Standard			
24 Astro Turf	Material	Square Metre	Grass	Material		\$12.00		\$0.00	Prorated			
25 Paint	Material	Ultre	Ute	Paint		\$20.00		\$0.00	Prorated			

- Resource Usage

Exercise 5. Resources with the private working time

- Creating the Calendars with working times:

PM_Time:

1. Working time: Mon – Sat: 7AM – 11AM
2. Nonworking time: Sun
3. Exception: Nonworking time: 30/4, 1/5, 2/9

Dev_Time:

1. Working time: Mon – Fri: 8AM – 11AM, 1PM – 5PM
2. Nonworking time: Sat, Sun
3. Exception: Nonworking time: 30/4, 1/5, 2/9

Extra_Time:

1. Working time: Mon – Fri: 6PM – 9PM
2. Nonworking time: Sat, Sun
3. Exception: Nonworking time: 30/4, 1/5, 2/9

- Creating the following tasks

Task Name	Duration (days)	Dependencies
Requirement Analysis	5	-
Project Planning	3	1
UI/UX Design	7	1
Database Design	5	1
Backend Development	14	4
Frontend Development	14	3
Frontend & Backend Integration	5	5, 6
Testing & Bug Fixing	7	7
Deployment to Test Environment	3	8

Evaluation & Optimization	5	9
Official Deployment	2	10
Maintenance & Support	Ongoing	11

- **Tab View => Resource Sheet / Tab Task => Resource Sheet**

Add the resources this project bellow: Work/Material/Cost

Each Resource bases on a type of working time:

No.	Name	Type	Quantity	Unit	Std.Rate	Base	Related Tasks
1	Project Manager	Work	1	Person	20	PM_Time	Project Planning
2	System Analyst	Work	3	Person	15	Extra_Time	Requirement Analysis, Database Design
3	Backend Developer	Work	4	Person	18	Dev_Time	Backend Development, Frontend & Backend Integration
4	Frontend Developer	Work	3	Person	17	Dev_Time	Frontend Development
5	UI/UX Designer	Work	2	Person	16	Extra_Time	UI/UX Design
6	Tester	Work	3	Person	16	Dev_Time	Testing & Bug Fixing
7	Cloud Server (AWS, Azure)	Cost	1	Subscription	200		Data storage, application deployment
8	Software Licenses	Cost	1	Software Package	99		Deployment to Test Environment
9	Developer Workstations	Material	4	Units	1200		Deployment to Test Environment
10	UI/UX Design Tools	Cost	1	Software Package	200		Official Deployment
11	Testing Tools (Selenium, JMeter)	Cost	1	Software Package	90		Testing & Bug Fixing, Evaluation & Optimization

Capture images:

- Gantt Chart (Resource Name, Cost Column)

Task Mode	Task Name	Duration	Start	Finish	Predecessors	Resource Names	Cost
→	Requirement Analysis	1.67 days	Fri 2/28/25	Thu 3/6/25		System Analyst [300%]	\$600.00
→	Project Planning	3 days	Fri 3/7/25	Thu 3/13/25	1	Project Manager	\$480.00
→	UI/UX Design	3.5 days	Thu 3/6/25	Wed 3/19/25	1	UI/UX Designer [200%]	\$896.00
→	Database Design	1.67 days	Thu 3/6/25	Wed 3/12/25	1	System Analyst [300%]	\$600.00
→	Backend Development	3.5 days	Thu 3/13/25	Tue 3/18/25	4	Backend Developer [400%]	\$2,016.00
→	Frontend Development	4.67 days	Thu 3/20/25	Thu 3/27/25	3	Frontend Developer [300%]	\$1,904.00
→	Frontend & Backend Integration	1.25 days	Thu 3/27/25	Fri 3/28/25	5,6	Backend Developer [400%]	\$720.00
→	Testing & Bug Fixing	2.33 days	Fri 3/28/25	Tue 4/8/25	7	Tester [300%],Testing Tools[\$90.00]	\$986.00
→	Deployment to Test Environment	3 days	Tue 4/8/25	Fri 4/11/25	8	Developer Workstations [4 Units],Software Licenses [\$99.00]	\$4,899.00
→	Evaluation & Optimization	5 days	Fri 4/11/25	Fri 4/18/25	9	Testing Tools[\$90.00]	\$90.00
→	Official Deployment	2 days	Fri 4/18/25	Tue 4/22/25	10	UI/UX Design Tools [\$200.00]	\$200.00
→	Maintenance & Support	1 day?	Tue 4/22/25	Wed 4/23/25	11		\$0.00

- Display the Project Information (Statics): Duration, Hours, Cost

Project Statistics for 'Excercise5_Module4.mpp'			
	Start	Finish	
Current	Fri 2/28/25		Wed 4/23/25
Baseline		NA	NA
Actual		NA	NA
Variance	0d		0d
	Duration	Work	Cost
Current	37.79d?	480h	\$13,391.00
Baseline	0d	0h	\$0.00
Actual	0d	0h	\$0.00
Remaining	37.79d?	480h	\$13,391.00
Percent complete:			
Duration: 0%		Work: 0%	Close

- Resource Sheet

Task Mode	Task Name	Duration	Start	Finish	Predecessors	Resource Names	Cost
→	Requirement Analysis	1.67 days	Fri 2/28/25	Thu 3/6/25		System Analyst [300%]	\$600.00
→	Project Planning	3 days	Fri 3/7/25	Thu 3/13/25	1	Project Manager	\$480.00
→	UI/UX Design	3.5 days	Thu 3/6/25	Wed 3/19/25	1	UI/UX Designer [200%]	\$896.00
→	Database Design	1.67 days	Thu 3/6/25	Wed 3/12/25	1	System Analyst [300%]	\$600.00
→	Backend Development	3.5 days	Thu 3/13/25	Tue 3/18/25	4	Backend Developer [400%]	\$2,016.00
→	Frontend Development	4.67 days	Thu 3/20/25	Thu 3/27/25	3	Frontend Developer [300%]	\$1,904.00
→	Frontend & Backend Integration	1.25 days	Thu 3/27/25	Fri 3/28/25	5,6	Backend Developer [400%]	\$720.00
→	Testing & Bug Fixing	2.33 days	Fri 3/28/25	Tue 4/8/25	7	Tester [300%],Testing Tools[\$90.00]	\$986.00
→	Deployment to Test Environment	3 days	Tue 4/8/25	Fri 4/11/25	8	Developer Workstations [4 Units],Software Licenses [\$99.00]	\$4,899.00
→	Evaluation & Optimization	5 days	Fri 4/11/25	Fri 4/18/25	9	Testing Tools[\$90.00]	\$90.00
→	Official Deployment	2 days	Fri 4/18/25	Tue 4/22/25	10	UI/UX Design Tools [\$200.00]	\$200.00
→	Maintenance & Support	1 day?	Tue 4/22/25	Wed 4/23/25	11		\$0.00

- Resource Usage

Exercise 6 :

Creating the following tasks (Project Start Date 6/12/2024)

Establish working time: *MSSV_Time*

1. Working time: Mon – Fri: 8AM – 11AM, Sat: 11AM-9PM
 2. Nonworking time: Sun
 3. Exception: Nonworking time: 24/12/2024, 1/1/2022

STT	Name	Duration	Dependencies
1	The Engagement	1 day	
2	The Venue - Confirm Dates	4 wks	1
3	The Photographer	3 wks	2
4	The Cars	4 wks	2
5	The DJ	1 wk	2
6	The Dress - Find the Perfect Dress	3 wks	2
7	The Venue - Confirm Menu	4 wks	2
8	The Venue - Pay Deposit	2 hrs	7
9	The Dress - Pay for Dress	1 hr	6
10	Invitations - Confirm Design	2 wks	6
11	The Flowers	2 wks	6
12	Invitations - Confirm Numbers	1 wk	10
13	Invitations - Invites Produced	2 mons	12
14	Review progress	4 wks	3,4,5,8,9,11,12,13
15	Invitations - Send Out	1 wk	13
16	The Dress - First Fitting	2 hrs	9
17	Invitations - Review RSVP's	1 wk	15

18	The Venue - Confirm Numbers	2 hrs	17
19	The Venue - Confirm Timings	2 hrs	18
20	The Venue - Pay Balance	1 hr	19
21	The Dress- Final Fitting	2hr	20

- Create a milestone task at the end: The Big day (P) (Dependencies: 19,21)
- Creating the summary tasks :
 - + Before 6 month to go (Task 2,3,4,5,6,7)
 - + 6 month to go (Task 8,9,10,11)
 - + 5 month to go (Task 12,13)
 - + 4 month to go (Task 14)
 - + 3 month to go (Task 15)
 - + 2 month to go (Task 16,17)
 - + 1 month to go (Task 18,19,20,21)

- Establish the resource table:

STT	Name	Type	Initials	Groups	Max. Units	Std. Rate
1	Venue Material	Material	V	None	None	£3,000.00
2	Photographs	Material	V	None	None	£1,000.00
3	Flowers	Material	P	None	None	£900.00
4	Cars	Material	F	None	None	£500.00
5	DJ	Material	C	None	None	£250.00
6	Guest	Work	D	None	8000%	£25/1hr

- Assign the resource for each task in the project

STT	Name	Resource
1		
2	The Engagement	
3	The Venue - Confirm Dates	Venue[1]
4	The Photographer	Photographs[1]
5	The Cars	Cars[1]
6	The DJ	DJ[1]
7	The Dress - Find the Perfect Dress	
8	The Venue - Confirm Menu	
9	The Venue - Pay Deposit	
10	The Dress - Pay for Dress	
11	Invitations - Confirm Design	

12	The Flowers	Flowers[1]
13	Invitations - Confirm Numbers	
14	Invitations - Invites Produced	
15	Review progress	
16	Invitations - Send Out	
17	The Dress - First Fitting	
18	Invitations - Review RSVP's	
19	The Venue - Confirm Numbers	
20	The Venue - Confirm Timings	
21	The Venue - Pay Balance	Guests[7,000%]
22	The Dress- Final Fitting	

MODULE 5: COST, CONSTRAINS, DEADLINE for TASKS

Exercise 1. Entering Cost

- Open the Exercise 1 (Module 4) [Cost: \$1.984]
- Tab View => Resource Sheet
- Add the resource for this project bellow: Type Cost (Not set value, Rate)

STT	Name	Type
11	Cost Tax	Cost
12	Logistic Cost	Cost

Assign Cost for task Ready for preproduction task (Cost Task: 10\$, Logistic Cost: 10\$)

- Cost of project?

Project Statistics for 'Excercise1_Module4.mpp'

	Start	Finish
Current	Fri 2/21/25	Wed 3/26/25
Baseline	NA	NA
Actual	NA	NA
Variance	0d	0d

	Duration	Work	Cost
Current	24d	232h	\$1,564.00
Baseline	0d	0h	\$0.00
Actual	0d	0h	\$0.00
Remaining	24d	232h	\$1,564.00

Percent complete:

Duration: 0% Work: 0%

Close

- Update Project after 5 days? Cost of Project?

Excercise1_Module4.mpp - Project Professional

File Task Resource Report Project View Help Gantt Chart Format

Subproject Get Add-ins My Add-ins Project Information Fields Sprints Projects WBS Change Time Calculate Project Set Baseline Move Project Status Date: 2/25/25 Update Project abc Spelling

Insert Add-ins Sun 2/23/25 Sun 2/23/25

Properties

Timeline

Start: Fri 2/21/25

Today: Feb 23, '25

Add tasks with dates to the timeline

Finish: Wed 3/26/25

GANTT CHART

Task Mode	Task Name	Duration	Start	Finish	Predecessors	Resource Names	Cost	% Work Complete	Actual Cost	Remaining Cost	EAC
1	Workshop	24 days	Fri 2/21/25	Wed 3/26/25			\$1,564.00	21%	\$356.00	\$1,208.00	\$1,564.00
2	Boy's Toy	12 days	Fri 2/21/25	Mon 3/10/25			\$928.00	35%	\$336.00	\$592.00	\$928.00
3	clean machine	5 days	Fri 2/21/25	Thu 2/27/25		David ,Worker 1: Liam	\$560.00	60%	\$336.00	\$224.00	\$560.00
4	load raw materials	3 days	Fri 2/28/25	Tue 3/4/25	3	Worker 2: Chang	\$144.00	0%	\$0.00	\$144.00	\$144.00
5	prime machine	3 days	Wed 3/5/25	Fri 3/7/25	4	Mary	\$168.00	0%	\$0.00	\$168.00	\$168.00
6	Test run	1 day	Mon 3/10/25	Mon 3/10/25	5	Brian	\$56.00	0%	\$0.00	\$56.00	\$56.00
7	Girl's Toy	12 days	Tue 3/11/25	Wed 3/26/25			\$616.00	0%	\$0.00	\$616.00	\$616.00
8	clean machine	5 days	Tue 3/11/25	Mon 3/17/25	6	Worker 1: Liam	\$240.00	0%	\$0.00	\$240.00	\$240.00
9	load raw materials	3 days	Tue 3/18/25	Thu 3/20/25	8	Worker 2: Chang	\$144.00	0%	\$0.00	\$144.00	\$144.00
10	prime machine	3 days	Fri 3/21/25	Tue 3/25/25	9	John	\$168.00	0%	\$0.00	\$168.00	\$168.00
11	Test run	1 day	Wed 3/26/25	Wed 3/26/25	10	David	\$64.00	0%	\$0.00	\$64.00	\$64.00
12	Ready for production task	0 days	Fri 2/21/25	Fri 2/21/25		Cost Tax [\$10.00],Logistic Cost [\$10.00]	\$20.00	100%	\$20.00	\$0.00	\$20.00

Ready New Tasks : Manually Scheduled

Project Statistics for 'Excercise1_Module4.mpp'

	Start	Finish	
Current	Fri 2/21/25	Wed 3/26/25	
Baseline	NA	NA	
Actual	Fri 2/21/25	NA	
Variance	0d	0d	
	Duration	Work	Cost
Current	24d	232h	\$1,564.00
Baseline	0d	0h	\$0.00
Actual	3d	48h	\$356.00
Remaining	21d	184h	\$1,208.00

Percent complete:
Duration: 13% Work: 21%

[Close](#)

Exercise 2.

- Exercise 2 (Module 4) Cost: ?
- Tab View => Resource Sheet
- Add the resource for this project bellow: Type Cost (Not set value, Rate)

STT	Name	Type
5	Cost Tax	Cost
6	Logistic Cost	Cost
7	OT Cost	Cost
8	Bonus	Cost
9	Punishment	Cost

- Assign Cost for these tasks:

ID	TASK NAME	RESOURCE
1	Visit estate agents	MDF [2], OT Cost[50]
2	View properties	Flooring [2], Cost Task[3]
3	Decide what to buy	Purple Material [1], Bonus[12]
4	Make offer	Flooring [1], Purple Material [1], OT Cost[8], Punish[5]
5	Wait for decision	Flooring [1], Orange Material [1], Logistic Cost[75]
6	offer accepted	Orange Material [2], Bonus[10]

- Cost of project?

Project Statistics for 'Excercise2_Module4.mpp'

X

	Start	Finish
Current	Fri 2/21/25	Mon 3/24/25
Baseline	NA	NA
Actual	NA	NA
Variance	0d	0d

	Duration	Work	Cost
Current	22d	0h	\$943.00
Baseline	0d	0h	\$0.00
Actual	0d	0h	\$0.00
Remaining	22d	0h	\$943.00

Percent complete:

Duration: 0% Work: 0%

Close

- Update Project after 3 days? Cost of Project?

Project Statistics for 'Excercise2_Module4.mpp'

X

	Start	Finish
Current	Fri 2/21/25	Mon 3/24/25
Baseline	NA	NA
Actual	Fri 2/21/25	NA
Variance	0d	0d

	Duration	Work	Cost
Current	22d	0h	\$943.00
Baseline	0d	0h	\$0.00
Actual	22d	0h	\$780.00
Remaining	0d	0h	\$163.00

Percent complete:

Duration: 99% Work: 0%

Close

Task Details Table:

Task	Task Name	Duration	Start	Finish	Predecessors	Resource Names	Cost	% Complete	Actual Cost	Remaining Cost	EAC	Add New Color
1	Buy a shop	22 days	Fri 2/21/25	Mon 3/24/25		MDF [2 Sheet],OT Cost [\$50.00]	\$943.00	99%	\$780.00	\$163.00	\$943.00	
2	Visit estate agents	1 day	Fri 2/21/25	Fri 2/21/25		Flooring [2 Pack],Cost Tax [\$3.00]	\$90.00	99%	\$40.00	\$50.00	\$90.00	
3	View properties	7 days	Mon 2/24/25	Tue 3/4/25	2	Purple Material [1 Roll],Bonus [\$12.00]	\$163.00	99%	\$160.00	\$3.00	\$163.00	
4	Decide what to buy	5 days	Wed 3/5/25	Tue 3/11/25	3	Flooring [1 Pack],Purple Material [1 Roll],OT Cos	\$42.00	99%	\$30.00	\$12.00	\$42.00	
5	Make offer	1 day	Wed 3/12/25	Wed 3/12/25	4	Flooring [1 Pack],Orange Material [1 Roll],Logist	\$123.00	99%	\$110.00	\$13.00	\$123.00	
6	Wait for decision	7 days	Thu 3/13/25	Fri 3/21/25	5	Orange Material [2 Roll],Bonus [\$10.00]	\$275.00	99%	\$200.00	\$75.00	\$275.00	
7	Offer accepted	1 day	Mon 3/24/25	Mon 3/24/25	6		\$250.00	99%	\$240.00	\$10.00	\$250.00	

Exercise 3.

- Exercise 3 (Module 4) Cost: ?
- Tab View => Resource Sheet
- Add the resource for this project bellow: Type Cost (Not set value, Rate)

STT	Name	Type
10	Tax	Cost
11	Upgrade Fee	Cost
12	Maintain Fee	Cost
13	Bonus	Cost
14	Part Time Fee	Cost

- Assign the resource for each task

ID	TASK NAME	RESOURCE
1	Planning	PM, Tax[4]
2	Requirement documents	PM, Designer, Part Time Fee[10]
3	Sign off	PM
4	Development	Developer, Operating System[1], Visual Studio [1], Upgrade Fee[21]
5	Testing	Tester, Part Time Fee[10], Bonus[18]
6	Implementation	Maintainer, Operating System, Visual Studio, Cable [100], Maintain Fee[18], Bonus[23]
7	Review	PM, Maintainer

- Cost of project?

Project Statistics for 'Excercise3_Module4.mpp'

X

	Start	Finish	
Current	Fri 2/28/25	Fri 7/18/25	
Baseline	NA	NA	
Actual	NA	NA	
Variance	0d	0d	
Duration	Work	Cost	
Current	101d	928h	\$7,404.00
Baseline	0d	0h	\$0.00
Actual	0d	0h	\$0.00
Remaining	101d	928h	\$7,404.00

Percent complete:

Duration: 0%	Work: 0%	Close
--------------	----------	-----------------------

- Update Project after 2 weeks? Cost of Project?

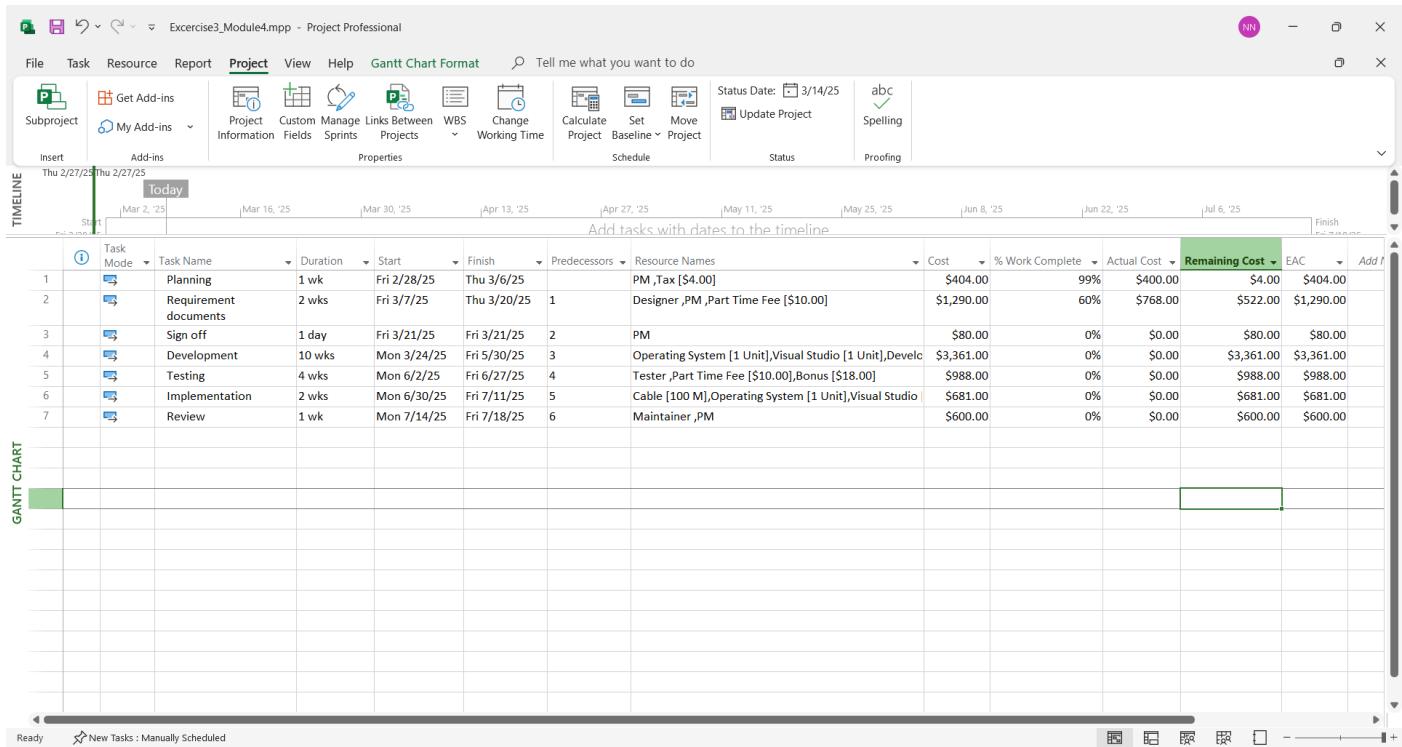
Project Statistics for 'Excercise3_Module4.mpp'

X

	Start	Finish	
Current	Fri 2/28/25	Fri 7/18/25	
Baseline	NA	NA	
Actual	Fri 2/28/25	NA	
Variance	0d	0d	
Duration	Work	Cost	
Current	101d	928h	\$7,404.00
Baseline	0d	0h	\$0.00
Actual	11d	136h	\$1,168.00
Remaining	90d	792h	\$6,236.00

Percent complete:

Duration: 11%	Work: 15%	Close
---------------	-----------	-----------------------



Exercise 4.

- Exercise 4 (Module 4) Cost: ?
- Tab View => Resource Sheet
- Add the resource for this project bellow: Type Cost (Not set value, Rate)

STT	Name	Type
26	Tax	Cost
27	Bonus	Cost
28	Part Time Fee	Cost
29	Logictis Cost	Cost

- Assign the resource for each task

ID	TASK NAME	RESOURCE
1	Planning Completed	Part Time Fee[150], Bonus[70]
2	Site works Completed	Logictis Cost[240]
3	Building Construction Completed	Logictis Cost[1004], Bonus[210]
4	Fit out Completed	Tax[50]
5	Commissioning Completed	Bonus[180]

- Cost of project?

Project Statistics for 'Excercise4_Module5.mpp'

	Start	Finish
Current	Fri 2/21/25	Fri 1/22/27
Baseline	NA	NA
Actual	NA	NA
Variance	0d	0d

	Duration	Work	Cost
Current	501.5d?	11,200h	\$80,504.00
Baseline	0d	0h	\$0.00
Actual	0d	0h	\$0.00
Remaining	501.5d?	11,200h	\$80,504.00

Percent complete:

Duration: 0%
Work: 0%

Close

- Update Project after 1 month? Cost of Project? 1/2 - 1/3

Project Statistics for 'Excercise4_Module5.mpp'

	Start	Finish
Current	Fri 2/21/25	Fri 1/22/27
Baseline	NA	NA
Actual	Fri 2/21/25	NA
Variance	0d	0d

	Duration	Work	Cost
Current	501.5d?	11,200h	\$80,504.00
Baseline	0d	0h	\$0.00
Actual	19.89d	284h	\$2,272.00
Remaining	481.61d?	10,916h	\$78,232.00

Percent complete:

Duration: 4%
Work: 3%

Close

Excercise4_Module5.mpp - Project Professional

File Task Resource Report **Project** View Help Gantt Chart Format Tell me what you want to do

Subproject Get Add-ins My Add-ins Project Information Custom Fields Sprints Links Between Projects WBS Change Working Time Calculate Set Project Baseline Move Project Status Date: 3/21/25 Update Project abc Spelling

Insert Add-ins Properties Schedule Status Proofing

GANTT CHART

	Task Mode	Task Name	Duration	Start	Finish	Predecessor	Resource Names	Cost	% Work Complete	Actual Cost	Remaining Cost	EAC
1	➤	Planning	88 days	Fri 2/21/25	Mon 6/23/25			\$5,500.00	44%	\$2,272.00	\$3,228.00	\$5,500.00
2	➤	Creating architectural plans	12 wks	Fri 2/21/25	Wed 5/14/25		Architect, Building Clerk [2]	\$2,880.00	79%	\$2,272.00	\$608.00	\$2,880.00
3	➤	Submit plans for approval	1 mon	Thu 5/15/25	Wed 6/11/25	2	Architect	\$1,440.00	0%	\$0.00	\$1,440.00	\$1,440.00
4	➤	Order materials	8 days	Thu 6/12/25	Mon 6/23/25	3	Building Clerk, Draftspersc	\$960.00	0%	\$0.00	\$960.00	\$960.00
5	➤	Planning Completed	0 days	Mon 6/23/25	Mon 6/23/25	2,3,4	Part Time Fee [\$150.00],B	\$220.00	0%	\$0.00	\$220.00	\$220.00
6	➤	Site Works	32 days	Tue 6/24/25	Wed 8/6/25	5		\$5,672.00	0%	\$0.00	\$5,672.00	\$5,672.00
7	➤	Erect fencing	3 days	Tue 6/24/25	Thu 6/26/25		No Barrier Fencing	\$72.00	0%	\$0.00	\$72.00	\$72.00
8	➤	Erect site building	4 days	Fri 6/27/25	Wed 7/2/25	7	Carpenter [400%],Laboure	\$800.00	0%	\$0.00	\$800.00	\$800.00
9	➤	Clear and level site	3 wks	Thu 7/3/25	Wed 7/23/25	8	Driver [200%],Grader [200]	\$3,120.00	0%	\$0.00	\$3,120.00	\$3,120.00
10	➤	Prepare drainage infrastructure	2 wks	Thu 7/24/25	Wed 8/6/25	9	Plumber [200%],Superviso	\$680.00	0%	\$0.00	\$680.00	\$680.00
11	➤	Prepare cabling infrastructure	2 wks	Thu 7/24/25	Wed 8/6/25	9	Electrician [300%],Supervi	\$760.00	0%	\$0.00	\$760.00	\$760.00
12	➤	Site Works Completed	0 days	Wed 8/6/25	7,8,9,10,11		Logictis Cost [\$240.00]	\$240.00	0%	\$0.00	\$240.00	\$240.00
13	➤	Building Construction	334 days	Thu 8/7/25	Tue 11/17/26	12		\$59,822.00	0%	\$0.00	\$59,822.00	\$59,822.00
14	➤	Pour Foundations	4 days	Thu 8/7/25	Tue 8/12/25		Rock Solid Concrete	\$128.00	0%	\$0.00	\$128.00	\$128.00
15	➤	Erect steelwork	6 mons	Wed 8/13/25	Tue 1/27/26	14	Boilermaker [600%],Driver	\$25,920.00	0%	\$0.00	\$25,920.00	\$25,920.00
16	➤	Erect wall	8 mons	Wed 1/28/26	Tue 9/8/26	15	Air Compressor, Carpenter	\$18,560.00	0%	\$0.00	\$18,560.00	\$18,560.00
17	➤	Install roofing superstructure	4 wks	Wed 9/9/26	Tue 10/6/26	16	Air Compressor,Boilermak	\$5,280.00	0%	\$0.00	\$5,280.00	\$5,280.00
18	➤	Install roofing retracting mechanism	2 wks	Wed 10/7/26	Tue 10/20/26	17	Boilermaker [200%],Driver	\$2,000.00	0%	\$0.00	\$2,000.00	\$2,000.00
19	➤	Erect seating tiers	6 wks	Wed 10/7/26	Tue 11/17/26	18SS	Air Compressor,Boilermak	\$6,720.00	0%	\$0.00	\$6,720.00	\$6,720.00
20	➤	Building Construction Completed	0 days	Tue 11/17/26	Tue 11/17/26	14,15,16,17,1	Logictis Cost [\$1,004.00],E	\$1,214.00	0%	\$0.00	\$1,214.00	\$1,214.00
21	➤	Fit Out	14 days	Wed 11/18/26	Mon 12/7/26	20		\$6,170.00	0%	\$0.00	\$6,170.00	\$6,170.00
22	➤	Fit all windows and doors	1 wk	Wed 11/18/26	Tue 11/24/26		Carpenter [500%],Laboure	\$1,040.00	0%	\$0.00	\$1,040.00	\$1,040.00
23	➤	Install electrical cabling	0.5 wks	Wed 11/18/26	Fri 11/20/26		Electrician [300%],Labour	\$520.00	0%	\$0.00	\$520.00	\$520.00
24	➤	Install electrical fittings and fixtures	0.67 wks	Fri 11/20/26	Wed 11/25/26	23	Electrician [300%]	\$560.00	0%	\$0.00	\$560.00	\$560.00
25	➤	Install all plumbing	1 wk	Wed 11/18/26	Tue 11/24/26		Labourer [200%],Plumber	\$880.00	0%	\$0.00	\$880.00	\$880.00

- Update Project after 4,5 month? Cost of Project? 1/2 - 15/3

Project Statistics for 'Excercise4_Module5.mpp'

	Start	Finish
Current	Fri 2/21/25	Fri 1/22/27
Baseline	NA	NA
Actual	Fri 2/21/25	NA
Variance	0d	0d

	Duration	Work	Cost
Current	501.5d?	11,200h	\$80,504.00
Baseline	0d	0h	\$0.00
Actual	87.68d	848h	\$7,012.00
Remaining	413.82d?	10,352h	\$73,492.00

Percent complete:

Duration: 17% Work: 8%

Close

Excercise4_Module5.mpp - Project Professional

File Task Resource Report **Project** View Help Gantt Chart Format Tell me what you want to do

Subproject Get Add-ins My Add-ins Project Information Custom Fields Sprints Manage Projects WBS Change Working Time Calculate Project Set Baseline Move Project Status Date: 7/6/25 Update Project abc Spelling

Insert Add-ins Properties Status Proofing

GANTT CHART

Task Mode	Task Name	Duration	Start	Finish	Predecessor	Resource Names	Cost	% Work Complete	Actual Cost	Remaining Cost	EAC
1 ✓	Planning	88 days	Fri 2/21/25	Mon 6/23/25			\$5,500.00	100%	\$5,500.00	\$0.00	\$5,500.00
2 ✓	Creating architectural plans	12 wks	Fri 2/21/25	Wed 5/14/25		Architect, Building Clerk [2]	\$2,880.00	100%	\$2,880.00	\$0.00	\$2,880.00
3 ✓	Submit plans for approval	1 mon	Thu 5/15/25	Wed 6/11/25	2	Architect	\$1,440.00	100%	\$1,440.00	\$0.00	\$1,440.00
4 ✓	Order materials	8 days	Thu 6/12/25	Mon 6/23/25	3	Building Clerk, Draftspersc	\$960.00	100%	\$960.00	\$0.00	\$960.00
5 ✓	Planning Completed	0 days	Mon 6/23/25	Mon 6/23/25	2,3,4	Part Time Fee [\$150.00],B	\$220.00	100%	\$220.00	\$0.00	\$220.00
6	Site Works	32 days	Tue 6/24/25	Wed 8/6/25	5		\$5,672.00	31%	\$1,512.00	\$4,160.00	\$5,672.00
7 ✓	Erect fencing	3 days	Tue 6/24/25	Thu 6/26/25		No Barrier Fencing	\$72.00	100%	\$72.00	\$0.00	\$72.00
8 ✓	Erect site building	4 days	Fri 6/27/25	Wed 7/2/25	7	Carpenter [400%],Laboure	\$800.00	100%	\$800.00	\$0.00	\$800.00
9	Clear and level site	3 wks	Thu 7/3/25	Wed 7/23/25	8	Driver [200%],Grader [200]	\$3,120.00	22%	\$640.00	\$2,480.00	\$3,120.00
10	Prepare drainage infrastructure	2 wks	Thu 7/24/25	Wed 8/6/25	9	Plumber [200%],Superviso	\$680.00	0%	\$680.00	\$680.00	\$680.00
11	Prepare cabling infrastructure	2 wks	Thu 7/24/25	Wed 8/6/25	9	Electrician [300%],Supervi	\$760.00	0%	\$760.00	\$760.00	\$760.00
12	Site Works Completed	0 days	Wed 8/6/25	Wed 8/6/25	7,8,9,10,11	Logistics Cost [\$240.00]	\$240.00	0%	\$0.00	\$240.00	\$240.00
13	Building Construction	334 days	Thu 8/7/25	Tue 11/17/26	12		\$59,822.00	0%	\$0.00	\$59,822.00	\$59,822.00
14	Pour Foundations	4 days	Thu 8/7/25	Tue 8/12/25		Rock Solid Concrete	\$128.00	0%	\$0.00	\$128.00	\$128.00
15	Erect steelwork	6 mons	Wed 8/13/25	Tue 1/27/26	14	Boilermaker [600%],Driver	\$25,920.00	0%	\$0.00	\$25,920.00	\$25,920.00
16	Erect wall	8 mons	Wed 1/28/26	Tue 9/8/26	15	Air Compressor ,Carpente	\$18,560.00	0%	\$0.00	\$18,560.00	\$18,560.00
17	Install roofing superstructure	4 wks	Wed 9/9/26	Tue 10/6/26	16	Air Compressor ,Boilermal	\$5,280.00	0%	\$0.00	\$5,280.00	\$5,280.00
18	Install roofing retracting mechanism	2 wks	Wed 10/7/26	Tue 10/20/26	17	Boilermaker [200%],Driver	\$2,000.00	0%	\$0.00	\$2,000.00	\$2,000.00
19	Erect seating tiers	6 wks	Wed 10/7/26	Tue 11/17/26	18SS	Air Compressor ,Boilermal	\$6,720.00	0%	\$0.00	\$6,720.00	\$6,720.00
20	Building Construction Completed	0 days	Tue 11/17/26	Tue 11/17/26	14,15,16,17,1	Logistics Cost [\$1,004.00],E	\$1,214.00	0%	\$0.00	\$1,214.00	\$1,214.00
21	Fit Out	14 days	Wed 11/18/26	Mon 12/7/26	20		\$6,170.00	0%	\$0.00	\$6,170.00	\$6,170.00
22	Fit all windows and doors	1 wk	Wed 11/18/26	Tue 11/24/26		Carpenter [500%],Laboure	\$1,040.00	0%	\$0.00	\$1,040.00	\$1,040.00
23	Install electrical cabling	0.5 wks	Wed 11/18/26	Fri 11/20/26		Electrician [300%],Labouri	\$520.00	0%	\$0.00	\$520.00	\$520.00
24	Install electrical fittings and fixtures	0.67 wks	Fri 11/20/26	Wed 11/25/26	23	Electrician [300%]	\$560.00	0%	\$0.00	\$560.00	\$560.00
25	Install all plumbing	1 wk	Wed 11/18/26	Tue 11/24/26		Labourer [200%],Plumber	\$880.00	0%	\$0.00	\$880.00	\$880.00

- Update Project after 6 month? Cost of Project? 1/2-1/3-1/4-1/5-1/6-1/7-1/8

Project Statistics for 'Excercise4_Module5.mpp'

	Start	Finish
Current	Fri 2/21/25	Fri 1/22/27
Baseline	NA	NA
Actual	Fri 2/21/25	NA
Variance	0d	0d

	Duration	Work	Cost
Current	501.5d?	11,200h	\$80,504.00
Baseline	0d	0h	\$0.00
Actual	127.45d	2,860h	\$20,260.00
Remaining	374.05d?	8,340h	\$60,244.00

Percent complete:

Duration: 25% Work: 26%

Close

Excercise4_Module5.mpp - Project Professional

File Task Resource Report **Project** View Help Gantt Chart Format Tell me what you want to do

Subproject Get Add-ins Project Information Custom Fields Sprints Projects Change Working Time Calculate Set Move Status Date: 8/21/25 abc Spelling

Insert Add-ins Properties Schedule Status Proofing

GANTT CHART

	Task Mode	Task Name	Duration	Start	Finish	Predecessor	Resource Names	Cost	% Work Complete	Actual Cost	Remaining Cost	EAC
1	✓	Planning	88 days	Fri 2/21/25	Mon 6/23/25			\$5,500.00	100%	\$5,500.00	\$0.00	\$5,500.00
2	✓	Creating architectural plans	12 wks	Fri 2/21/25	Wed 5/14/25		Architect ,Building Clerk [2]	\$2,880.00	100%	\$2,880.00	\$0.00	\$2,880.00
3	✓	Submit plans for approval	1 mon	Thu 5/15/25	Wed 6/11/25	2	Architect	\$1,440.00	100%	\$1,440.00	\$0.00	\$1,440.00
4	✓	Order materials	8 days	Thu 6/12/25	Mon 6/23/25	3	Building Clerk ,Draftspersc	\$960.00	100%	\$960.00	\$0.00	\$960.00
5	✓	Planning Completed	0 days	Mon 6/23/25	Mon 6/23/25	2,3,4	Part Time Fee [\$150.00],B	\$220.00	100%	\$220.00	\$0.00	\$220.00
6	✓	Site Works	32 days	Tue 6/24/25	Wed 8/6/25	5		\$5,672.00	100%	\$5,672.00	\$0.00	\$5,672.00
7	✓	Erect fencing	3 days	Tue 6/24/25	Thu 6/26/25		No Barrier Fencing	\$72.00	100%	\$72.00	\$0.00	\$72.00
8	✓	Erect site building	4 days	Fri 6/27/25	Wed 7/2/25	7	Carpenter [400%],Laboure	\$800.00	100%	\$800.00	\$0.00	\$800.00
9	✓	Clear and level site	3 wks	Thu 7/3/25	Thu 7/23/25	8	Driver [200%],Grader [200	\$3,120.00	100%	\$3,120.00	\$0.00	\$3,120.00
10	✓	Prepare drainage infrastructure	2 wks	Thu 7/24/25	Wed 8/6/25	9	Plumber [200%],Superviso	\$680.00	100%	\$680.00	\$0.00	\$680.00
11	✓	Prepare cabling infrastructure	2 wks	Thu 7/24/25	Wed 8/6/25	9	Electrician [300%],Supervi	\$760.00	100%	\$760.00	\$0.00	\$760.00
12	✓	Site Works Completed	0 days	Wed 8/6/25	Wed 8/6/25	7,8,9,10,11	Logistics Cost [\$240.00]	\$240.00	100%	\$240.00	\$0.00	\$240.00
13	✓	Building Construction	334 days	Thu 8/7/25	Tue 11/17/26	12		\$59,822.00	19%	\$9,088.00	\$50,734.00	\$59,822.00
14	✓	Pour foundations	4 days	Thu 8/7/25	Tue 8/12/25		Rock Solid Concrete	\$128.00	100%	\$128.00	\$0.00	\$128.00
15		Erect steelwork	6 mons	Wed 8/13/25	Tue 1/27/26	14	Boilermaker [600%],Driver	\$25,920.00	40%	\$8,960.00	\$16,960.00	\$25,920.00
16		Erect wall	8 mons	Wed 1/28/26	Tue 9/8/26	15	Air Compressor ,Carpenter	\$18,560.00	0%	\$0.00	\$18,560.00	\$18,560.00
17		Install roofing superstructure	4 wks	Wed 9/9/26	Tue 10/6/26	16	Air Compressor ,Boilermal	\$5,280.00	0%	\$0.00	\$5,280.00	\$5,280.00
18		Install roofing retracting mechanism	2 wks	Wed 10/7/26	Tue 10/20/26	17	Boilermaker [200%],Driver	\$2,000.00	0%	\$0.00	\$2,000.00	\$2,000.00
19		Erect seating tiers	6 wks	Wed 10/7/26	Tue 11/17/26	18SS	Air Compressor ,Boilermal	\$6,720.00	0%	\$0.00	\$6,720.00	\$6,720.00
20		Building Construction Completed	0 days	Tue 11/17/26	Tue 11/17/26	14,15,16,17,1	Logistics Cost [\$1,004.00],E	\$1,214.00	0%	\$0.00	\$1,214.00	\$1,214.00
21		Fit Out	14 days	Wed 11/18/26	Mon 12/7/26	20		\$6,170.00	0%	\$0.00	\$6,170.00	\$6,170.00
22		Fit all windows and doors	1 wk	Wed 11/18/26	Tue 11/24/26		Carpenter [500%],Laboure	\$1,040.00	0%	\$0.00	\$1,040.00	\$1,040.00
23		Install electrical cabling	0.5 wks	Wed 11/18/26	Fri 11/20/26		Electrician [300%],Labouri	\$520.00	0%	\$0.00	\$520.00	\$520.00
24		Install electrical fittings and fixtures	0.67 wks	Fri 11/20/26	Wed 11/25/26	23	Electrician [300%]	\$560.00	0%	\$0.00	\$560.00	\$560.00
25		Install all plumbing	1 wk	Wed 11/18/26	Tue 11/24/26		Labourer [200%],Plumber	\$880.00	0%	\$0.00	\$880.00	\$880.00

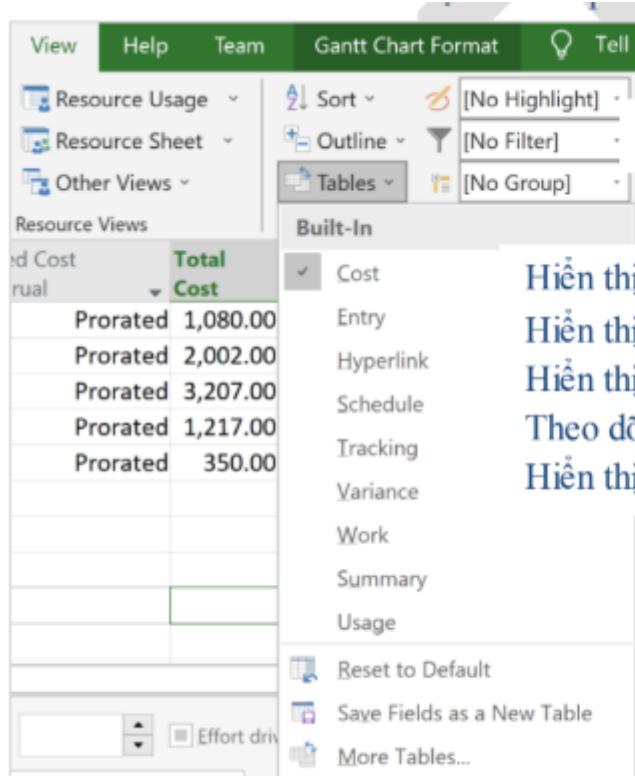
Ready New Task New Resource New Project New Sprint New Add-in

MODULE 6: HIỂN THỊ DỰ ÁN THEO MỘT SỐ YÊU CẦU- REPORT

1. MS Project cho phép hiển thị các task trong dự với các cách khác nhau như:

Calendar	Lịch hàng tháng chỉ ra các công việc và khả năng hoàn thành nó.
Gantt Chart	Điển tả các công việc và các thông tin có liên quan, một biểu đồ (biểu đồ ngang) thể hiện các công việc và thời gian hoàn thành chúng.
Network Diagram	Thể hiện dưới dạng lưới các công tác (sơ đồ mạng) và sự phụ thuộc giữa chúng. Dùng khung nhìn này để có một cái nhìn bao quát về các công việc.
Task Usage	Thể hiện danh sách các công việc đã được gán tài nguyên. Dùng khung nhìn này để thấy nguồn lực nào đã được gán cho một công việc cụ thể
Tracking Gantt	Thể hiện danh sách của công việc và thông tin có liên quan. Dùng khung nhìn này để theo dõi tiến trình của dự án.
Resource Graph	Thể hiện biểu đồ phân phối tài nguyên. Dùng khung nhìn này để thể hiện thông tin về một nguồn lực dưới các tiêu chí khác nhau.
Resource Sheet	Danh sách nguồn lực và thông tin liên quan. Dùng khung nhìn này để nhập và hiệu chỉnh các thông tin về tài nguyên.

2. Tab View: Hiển thị và cho phép lọc theo các tham số khác nhau



Thể hiện các giá trị cần lọc

Hiển thị dự án theo chi phí

Hiển thị dự án toàn bộ dự án

Hiển thị dự án theo lịch thực hiện

Theo dõi toàn dự án

Hiển thị dự án theo tổng các work thực hiện

Cost	Total Cost
Prorated	1,080.00
Prorated	2,002.00
Prorated	3,207.00
Prorated	1,217.00
Prorated	350.00

3. So sánh các giá trị Cost, Baseline, Variance, Actual

Work: Thời gian thực hiện theo các tham số hiện tại.

Baseline: Thời gian thực hiện công việc theo kế hoạch.

Variance: Khoảng thời gian thay đổi giữa thực tế và kế hoạch.

Actual: Thời gian thực tế đã thực hiện được theo các tham số hiện tại.

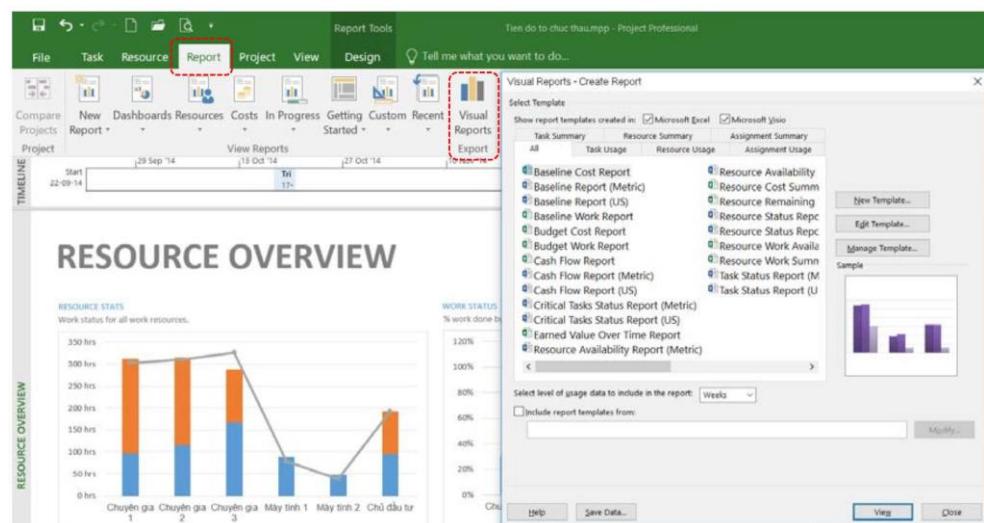
Remaining: Thời gian thực tế còn lại.

%W. Coml: Số phần trăm công việc đã thực hiện.

4. Xuất các báo cáo (Report) cho dự án

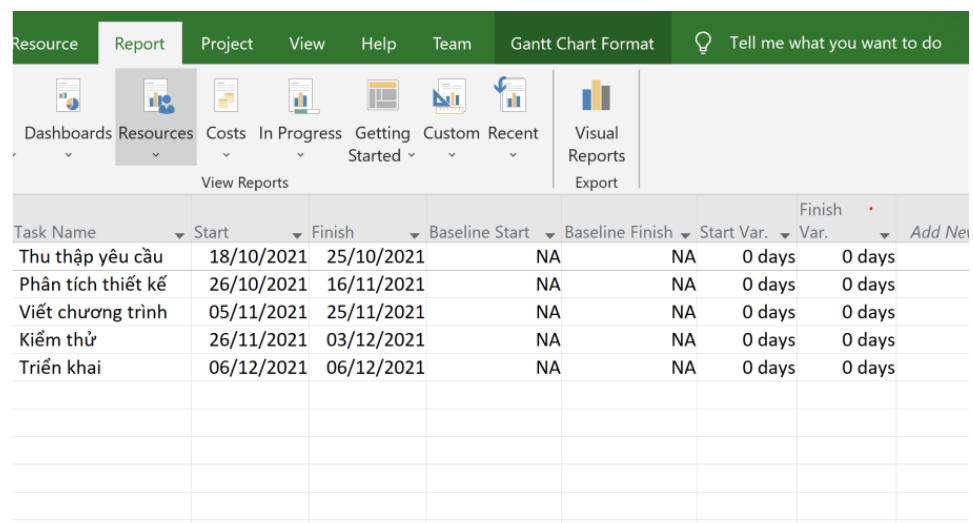
➤ Báo cáo theo đồ thị:

Tab Report => Visual Reports



➤ Báo cáo cơ bản dạng số liệu

Tab Report => View Group



Task Name	Start	Finish	Baseline Start	Baseline Finish	Start Var.	Var.	Add New
Thu thập yêu cầu	18/10/2021	25/10/2021	NA	NA	0 days	0 days	
Phân tích thiết kế	26/10/2021	16/11/2021	NA	NA	0 days	0 days	
Viết chương trình	05/11/2021	25/11/2021	NA	NA	0 days	0 days	
Kiểm thử	26/11/2021	03/12/2021	NA	NA	0 days	0 days	
Triển khai	06/12/2021	06/12/2021	NA	NA	0 days	0 days	

5. Bài tập áp dụng:

- Cho dự án với danh sách resource

Tên Tài Nguyên	Loại	Vật Liệu	Nhãn	Ký Hiệu	Nhóm	Tối Đa	Đơn Vị	Tỷ Lệ Tiêu Chuẩn	Tỷ Lệ Ngoài Giờ	Chi Phí/Sử Dụng
Hoàng Mạnh Quân (PM)	Công việc		H	HMQ		100%	giờ	10.00 ₫/giờ	0.00 ₫/giờ	20.00 ₫
Lê Hoàng Minh (TV)	Công việc		L	LHM		50%	giờ	20.00 ₫/giờ	0.00 ₫/giờ	10.00 ₫
Phạm Minh Vương (TV)	Công việc		P	PMV		200%	giờ	15.00 ₫/giờ	0.00 ₫/giờ	30.00 ₫
Lê Lan Phương	Công việc		L	LLP		100%	giờ	15.00 ₫/giờ	0.00 ₫/giờ	10.00 ₫
Hoàng Lê Minh	Công việc		H	HLM		100%	giờ	10.00 ₫/giờ	0.00 ₫/giờ	0.00 ₫
Mai Hà Linh	Công việc		M	MHL		100%	giờ	15.00 ₫/giờ	0.00 ₫/giờ	10.00 ₫
Trần Ngọc Hà	Công việc		T	TNH		200%	giờ	15.00 ₫/giờ	0.00 ₫/giờ	10.00 ₫
Bùi Hoàng Quyên	Công việc		B	BHQ		100%	giờ	15.00 ₫/giờ	0.00 ₫/giờ	10.00 ₫
OS	Vật liệu	OS	O	OS				250.00 ₫	0.00 ₫	
Hardisk	Vật liệu	Hardisk	H	Hardisk				120.00 ₫	0.00 ₫	
USB	Vật liệu	USB	U	USB				1.00 ₫	0.00 ₫	
Framework	Vật liệu	Framework	F	Framework				80.00 ₫	2.00 ₫	
Chi phí đi lại	Chi phí		C	CPDL						
Chi phí công tác	Chi phí		C	CPCT						
Thuê	Chi phí		T	Thue						

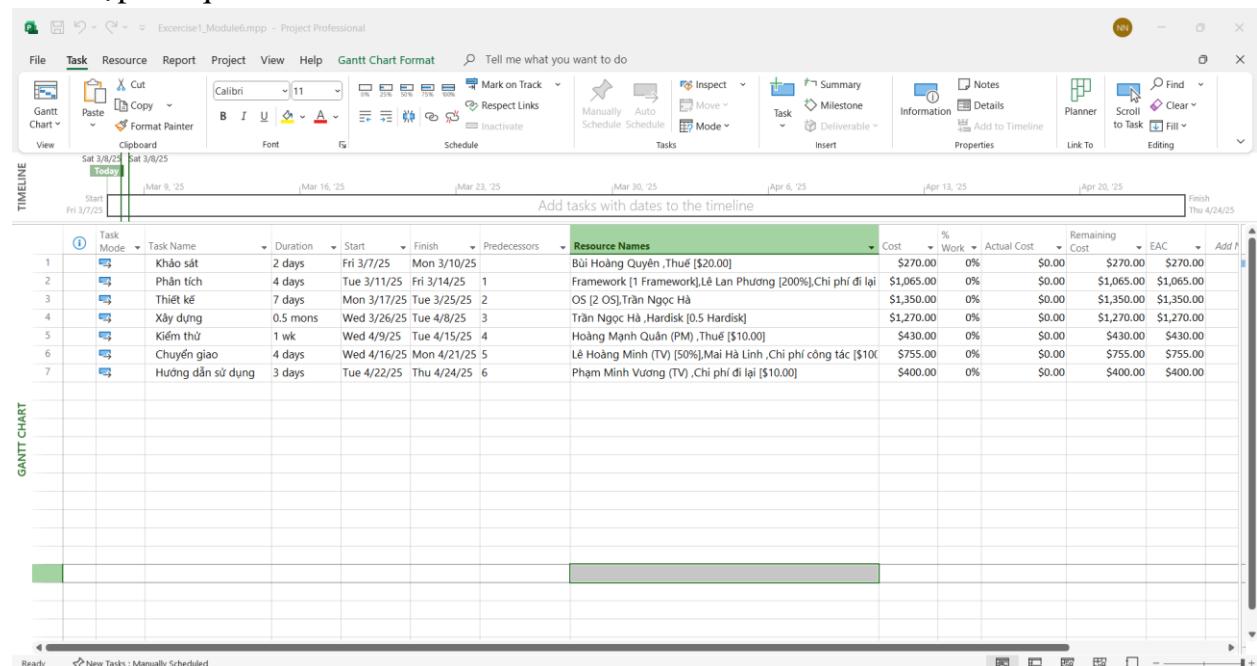
- Cho dự án với các công việc có gán các resource như sau:

STT	Tên công việc	Thời lượng	Công việc trước	Tên tài nguyên
1	Khảo sát	2 ngày	-	Bùi Hoàng Quyên, Thuê [20.00]

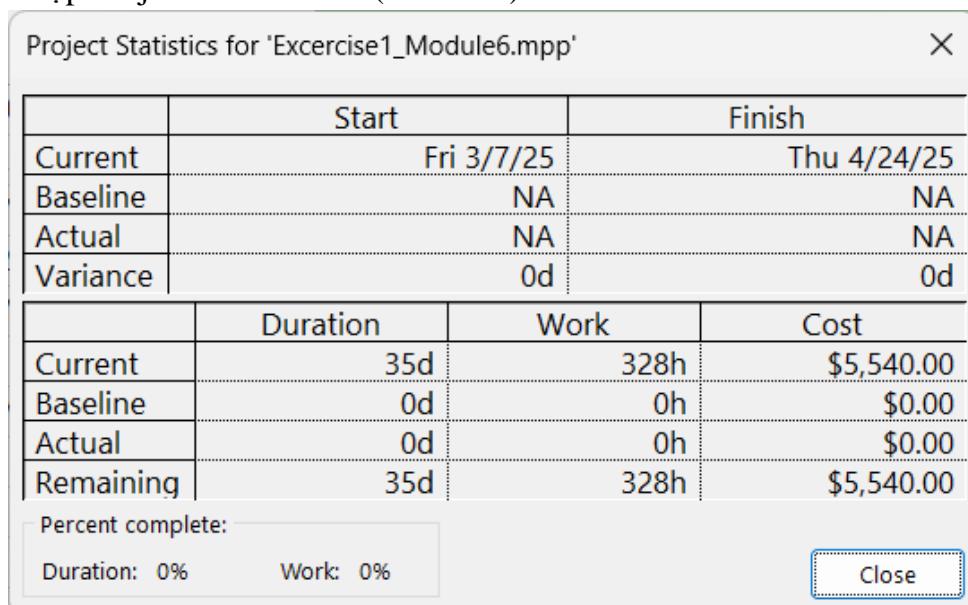
2	Phân tích	4 ngày	1	Framework [1], Lê Lan Phương [200%], Chi phí đi lại [5.00]
3	Thiết kế	7 ngày	2	OS [2], Trần Ngọc Hà
4	Xây dựng	0.5 tháng	3	Trần Ngọc Hà, Hardisk [0.5]
5	Kiểm thử	1 tuần	4	Hoàng Mạnh Quân (PM), Thuê [10.00]
6	Chuyển giao	4 ngày	5	Lê Hoàng Minh (TV) [50%], Mai Hà Linh, Chi phí công tác [100.00]
7	Hướng dẫn sử dụng	3 ngày	6	Phạm Minh Vương (TV), Chi phí đi lại [10.00]

Yêu cầu:

- Nhập thông tin dự án, gắn các loại tài nguyên cho các công việc của DA theo đề bài.
 - Chụp kết quả Gantt Chart.



- Chụp Project Information (Statistics)



- Chụp hình Resource Sheet

Resource Name	Type	Material	Initials	Group	Max.	Std. Rate	Ovt. Rate	Cost/Use	Accrue	Base	Code	Add New Column
1. Hoang Minh Quan (PM)	Work		H		100%	\$10.00/hr	\$0.00/hr	\$20.00	Prorated	Standard		
2. Le Hoang Minh (TV)	Work		L		50%	\$20.00/hr	\$0.00/hr	\$10.00	Prorated	Standard		
3. Pham Minh Vuong	Work		P		200%	\$15.00/hr	\$0.00/hr	\$30.00	Prorated	Standard		
4. Le Lan Phuong	Work		L		200%	\$15.00/hr	\$0.00/hr	\$10.00	Prorated	Standard		
5. Hoang Le Minh	Work		H		100%	\$15.00/hr	\$0.00/hr	\$5.00	Prorated	Standard		
6. Mai Ha Linh	Work		M		100%	\$10.00/hr	\$0.00/hr	\$10.00	Prorated	Standard		
7. Tran Ngoc Ha	Work		T		200%	\$15.00/hr	\$0.00/hr	\$10.00	Prorated	Standard		
8. Bui Hoang Quyen	Work		B		100%	\$15.00/hr	\$0.00/hr	\$10.00	Prorated	Standard		
9. OS	Material	OS	O					\$250.00		\$0.00	Prorated	
10. Hardisk	Material	Hardisk	H					\$120.00		\$0.00	Prorated	
11. USB	Material	USB	U					\$1.00		\$0.00	Prorated	
12. Framework	Material	Framework	F					\$80.00		\$0.00	Prorated	
13. Chi phi di lai	Cost		C								Prorated	
14. Chi phi cong tac	Cost		C								Prorated	
15. Thuế	Cost		T								Prorated	

2. Chụp hình các báo cáo của dự án (Report)

Dashboard:

Project Overview

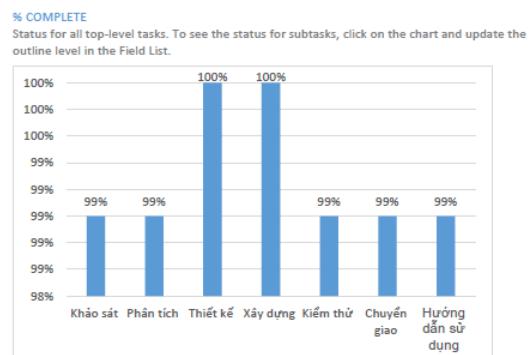
FRI 3/7/25 - THU 4/24/25

% COMPLETE

99%

MILESTONES DUE
Milestones that are coming soon.

Name	Finish
Khảo sát	Fri 3/7/25
Phân tích	Tue 3/11/25
Thiết kế	Fri 3/14/25
Xây dựng	
Kiểm thử	Wed 4/9/25
Chuyển giao	Mon 4/21/25
Hướng dẫn sử dụng	Tue 4/22/25



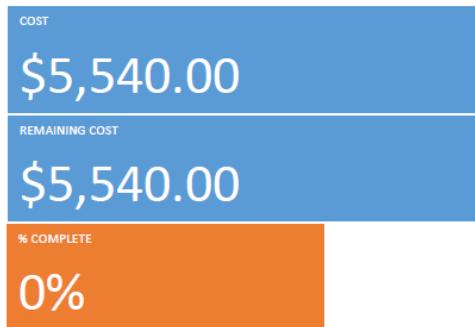
LATE TASKS
Tasks that are past due.

Name	Start	Finish	Duration	% Complete	Resource Names
Khảo sát	Fri 3/7/25	Mon 3/10/25	2 days	99%	Bùi Hoàng Quyền, Thuế [\$20.00]
Phân tích	Tue 3/11/25	Fri 3/14/25	4 days	99%	Framework [1], Lê Lan Phương [200%], Chi phí di lại [\$5.00]
Kiểm thử	Wed 4/9/25	Tue 4/15/25	1 wk	99%	Hoàng Mạnh Quân (PM), Thuế [\$10.00]
Chuyển giao	Wed 4/16/25	Mon 4/21/25	4 days	99%	Lê Hoàng Minh (TV) [50%], Mai Hà Linh, Chi phí công tác [\$100.00]
Hướng dẫn sử dụng	Tue 4/22/25	Thu 4/24/25	3 days	99%	Phạm Minh Vương (TV), Chi phí di lại [\$10.00]

Cost Overview

COST OVERVIEW

FRI 3/7/25 - THU 4/24/25



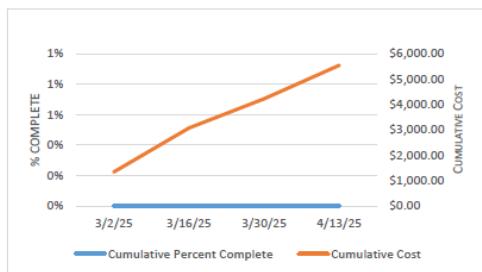
COST STATUS

Cost status for top level tasks.

Name	Actual Cost	Remaining Cost	Baseline Cost	Cost	Cost Variance
Khảo sát	\$0.00	\$270.00	\$0.00	\$270.00	\$270.00
Phân tích	\$0.00	\$1,065.00	\$0.00	\$1,065.00	\$1,065.00
Thiết kế	\$0.00	\$1,350.00	\$0.00	\$1,350.00	\$1,350.00
Xây dựng	\$0.00	\$1,270.00	\$0.00	\$1,270.00	\$1,270.00
Kiểm thử	\$0.00	\$430.00	\$0.00	\$430.00	\$430.00
Chuyển giao	\$0.00	\$755.00	\$0.00	\$755.00	\$755.00
Hướng dẫn sử dụng	\$0.00	\$400.00	\$0.00	\$400.00	\$400.00

PROGRESS VERSUS COST

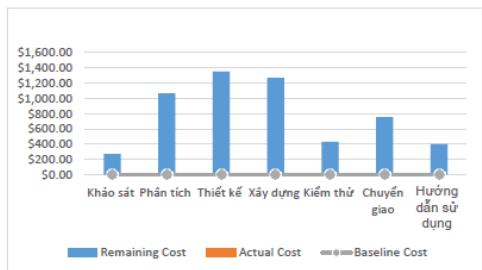
Progress made versus the cost spent over time. If % Complete line below the cumulative line, your project may be over budget.



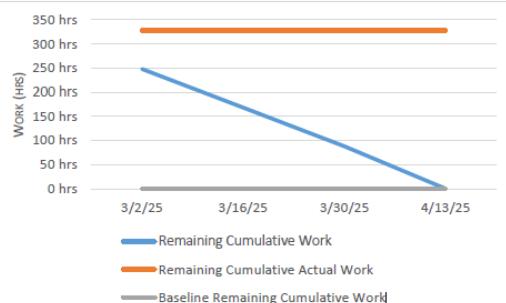
COST STATUS

Cost status for all top-level tasks. Is your baseline zero?

[Try setting as baseline](#)



Work Overview

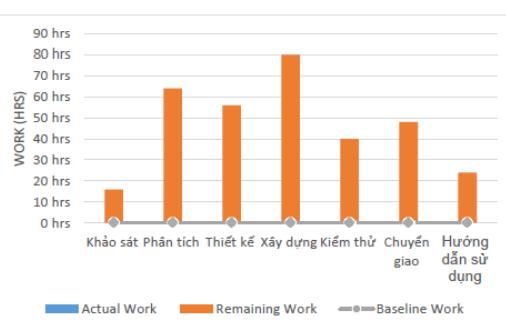


WORK BURNDOWN

Shows how much work you have completed and how much you have left. If the remaining cumulative work line is steeper, then the project may be late.

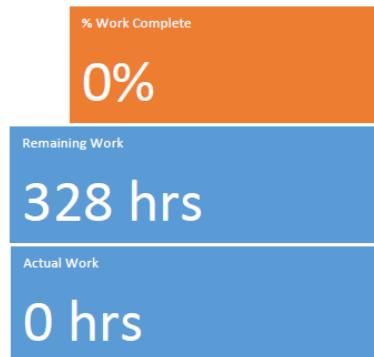
Is your baseline work zero?

[Try setting a baseline](#)



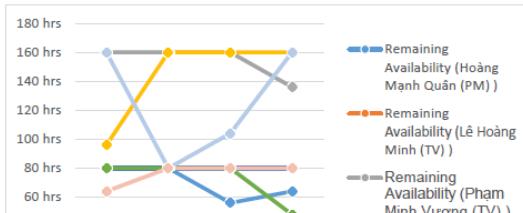
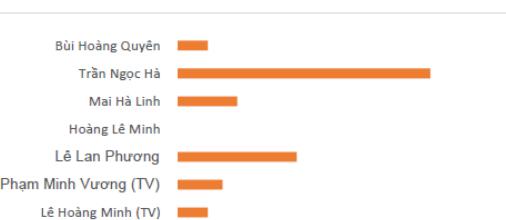
WORK STATS

Shows work stats for all top level tasks.



WORK OVERVIEW

Fri 3/7/25 - Thu 4/24/25

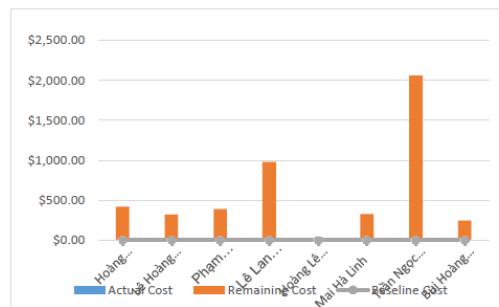


Resource Cost Overview

RESOURCE COST OVERVIEW

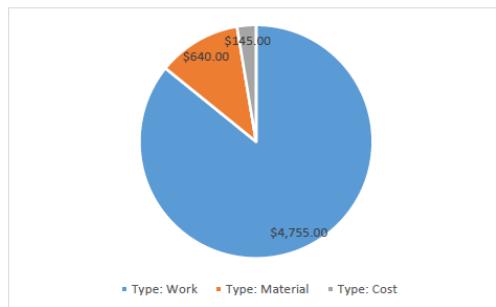
COST STATUS

Cost status for work resources.



COST DISTRIBUTION

How costs are spread out amongst different resource types.



COST DETAILS

Cost details for all work resources.

Name	Actual Work	Actual Cost	Standard Rate
Hoàng Mạnh Quân (PM)	0 hrs	\$0.00	\$10.00/hr
Lê Hoàng Minh (TV)	0 hrs	\$0.00	\$20.00/hr
Phạm Minh Vương (TV)	0 hrs	\$0.00	\$15.00/hr
Lê Lan Phương	0 hrs	\$0.00	\$15.00/hr
Hoàng Lê Minh	0 hrs	\$0.00	\$15.00/hr
Mai Hà Linh	0 hrs	\$0.00	\$10.00/hr
Trần Ngọc Hà	0 hrs	\$0.00	\$15.00/hr
Bùi Hoàng Quyên	0 hrs	\$0.00	\$15.00/hr

Progress

Critical Tasks

CRITICAL TASKS



A task is critical if there is no room in the schedule for it to slip.

[Learn more about managing your project's critical path.](#)

Name	Start	Finish	% Complete	Remaining Work	Resource Names
Khảo sát	Fri 3/7/25	Mon 3/10/25	0%	16 hrs	Bùi Hoàng Quyên ,Thuế [\$20.00]
Phân tích	Tue 3/11/25	Fri 3/14/25	0%	64 hrs	Framework [1 Framework],Lê Lan Phương [200%],Chi phí đĩa lai [\$5.00]
Thiết kế	Mon 3/17/25	Tue 3/25/25	0%	56 hrs	OS [2 OS],Trần Ngọc Hà
Xây dựng	Wed 3/26/25	Tue 4/8/25	0%	80 hrs	Trần Ngọc Hà ,Hardisk [0.5 Hardisk]
Kiểm thử	Wed 4/9/25	Tue 4/15/25	0%	40 hrs	Hoàng Mạnh Quân (PM) ,Thuế [\$10.00]
Chuyển giao	Wed 4/16/25	Mon 4/21/25	0%	48 hrs	Lê Hoàng Minh (TV) [50%],Mai Hà Linh ,Chi phí công tác [\$100.00]
Hướng dẫn sử dụng	Tue 4/22/25	Thu 4/24/25	0%	24 hrs	Phạm Minh Vương (TV) ,Chi phí đĩa lai [\$10.00]