

# **Primavera P6 Projects – Construction Scheduling Portfolio**

Name : Tejaswini Mahadev Hegade

## **Table of Contents**

**Assignment 1: Creating a New Layout**

**Assignment 2: Creating & Scheduling a Project**

**Assignment 3: Work Breakdown Structure (WBS) and Activity Codes**

**Assignment 4: Resource Allocation and Management**

**Assignment 5: Schedule Update**

This document compiles multiple Primavera P6 assignments, completed as part of the Construction Scheduling course at SDSU. The projects demonstrate skills in project creation, scheduling, resource allocation, and reporting using Primavera P6.

## P6 Lab Report #1

Name: Tejaswini Mahadev Hegade

Project Name: Haitang Corporate Park ( Customize layout )

### Table of Contents

1. Activity table (all columns)

---

2. Bar Chart

---

3. Bar Chart for critical activity

---

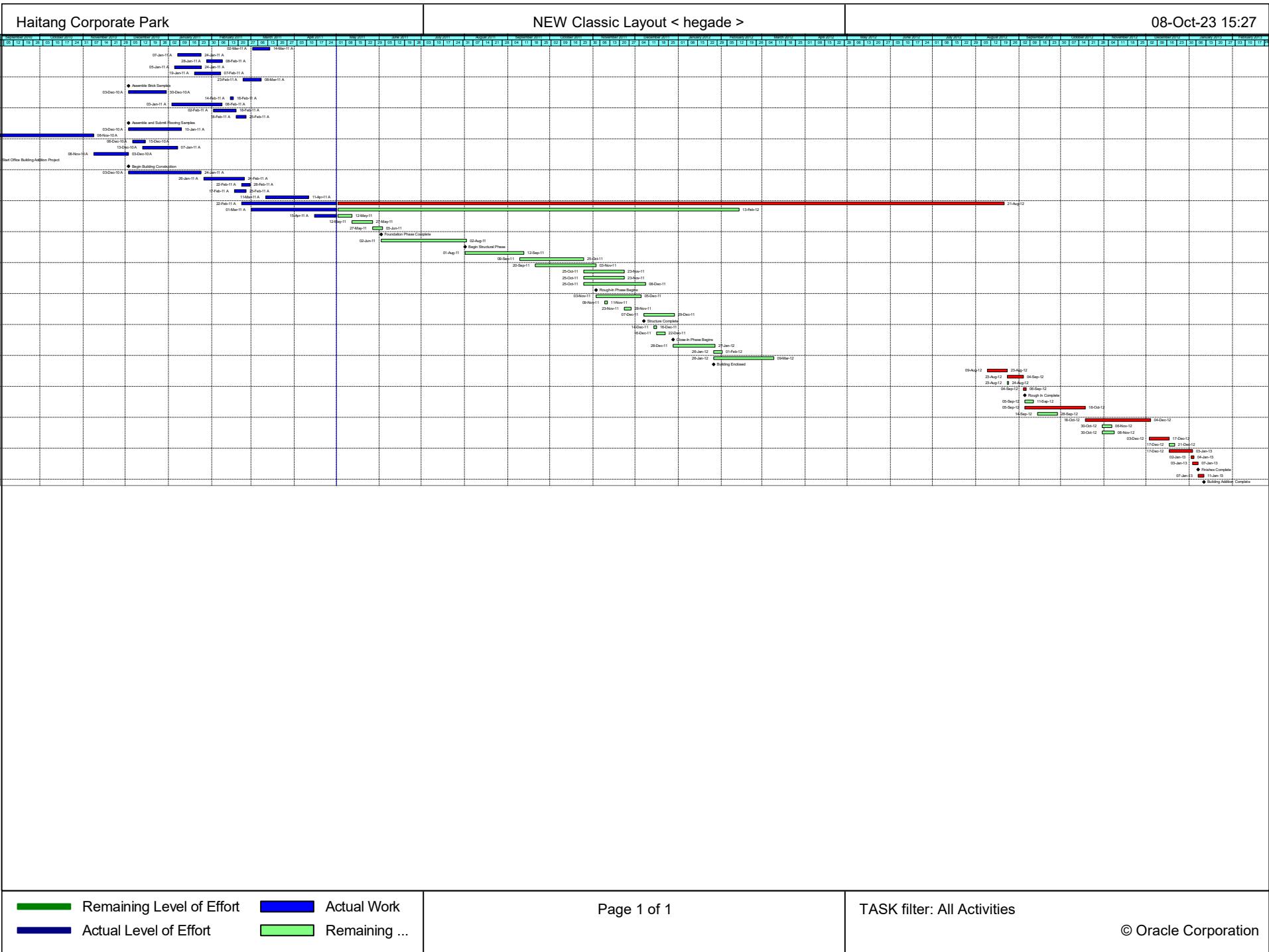
4. Bar chart with critical activities, timescale as ordinal days

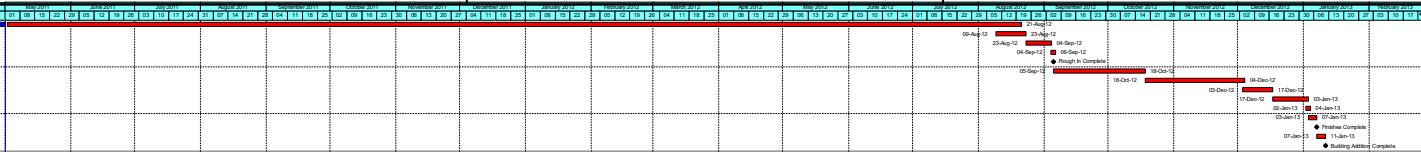
---

5. Table and Bar chart for critical activities

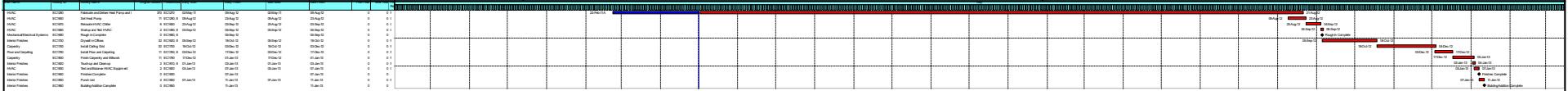
---











## P6 Lab Report #2

Name: Tejaswini Mahadev Hegade

Project Name: Lab 2 : Create & Schedule New Report

### Table of Contents

1. Table of Contents

---

2. Scheduling log

---

3. Logical network diagram

---

4. Bar Chart and activity table (WBS and ordinal days)

---

5. Bar Chart (classic schedule layout and calendar day)

---

6. 3-week lookahead filter preview

---

7. Schedule report – sorted by ES and TF

---

8. Schedule report – sorted by TF and ES

---

9. Schedule report – sorted by ES for critical activity

---

10. 3-week look-ahead Schedule report

---

Scheduling/Leveling Report - 2023-10-12 14:26:36 - PM.EXE

---

Default Project.....LESSON02 Project  
Use scheduling options from.....LESSON02 Project

Projects:  
LESSON02 Project.....Lesson02 Demo

Scheduling/Leveling Settings:

---

General

---

Scheduling .....Yes  
Leveling .....No  
Ignore relationships to and from other projects .....No  
Make open-ended activities critical .....No  
Use Expected Finish Dates .....Yes  
Schedule automatically when a change affects dates .....No  
Level resources during scheduling .....No  
Recalculate assignment costs after scheduling .....No  
When scheduling progressed activities use .....Retained Logic  
Calculate start-to-start lag from .....Early Start  
Define critical activities as Total Float less than or equal to .0  
Compute Total Float As .....Finish Float  
Calculate float based on finish date of .....Each project  
Calendar for scheduling Relationship Lag .....Predecessor Activity Calendar

Advanced

---

Calculate multiple float paths.....No

Statistics:

---

# Projects.....1  
# Activities.....30  
# Not Started.....30  
# In Progress.....0  
# Completed.....0  
# Relationships.....51  
# Activities with Constraint.....0

Errors:

---

Warnings:

---

Activities without predecessors.....1  
Project: LESSON02 Project     Activity:     TH1000     NTP

Activities without successors.....1  
Project: LESSON02 Project     Activity:     TH1290     Project

Complete

Out-of-sequence activities.....0

Activities with Actual Dates > Data Date.....0

Milestone Activities with invalid relationships.....0

Finish milestone and predecessors have different calendars.....0

#### Scheduling/Leveling Results:

# Projects Scheduled/Leveled.....1  
# Activities Scheduled/Leveled.....30  
# Relationships with other projects.....0  
Data Date.....01-Nov-23  
Earliest Early Start Date.....01-Nov-23  
Latest Early Finish Date.....10-Apr-24

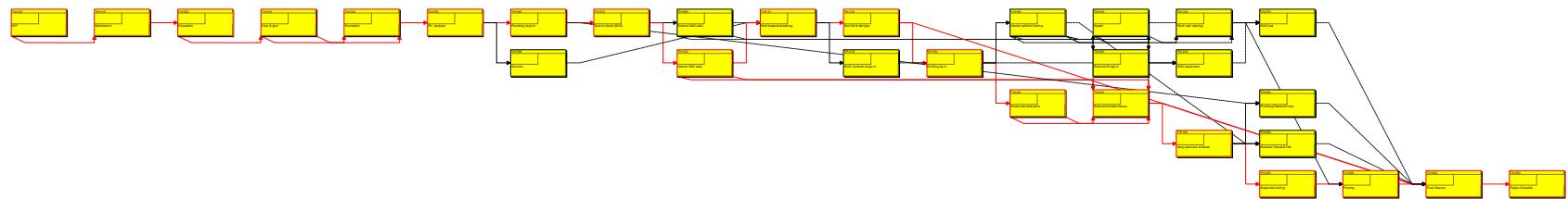
#### Exceptions:

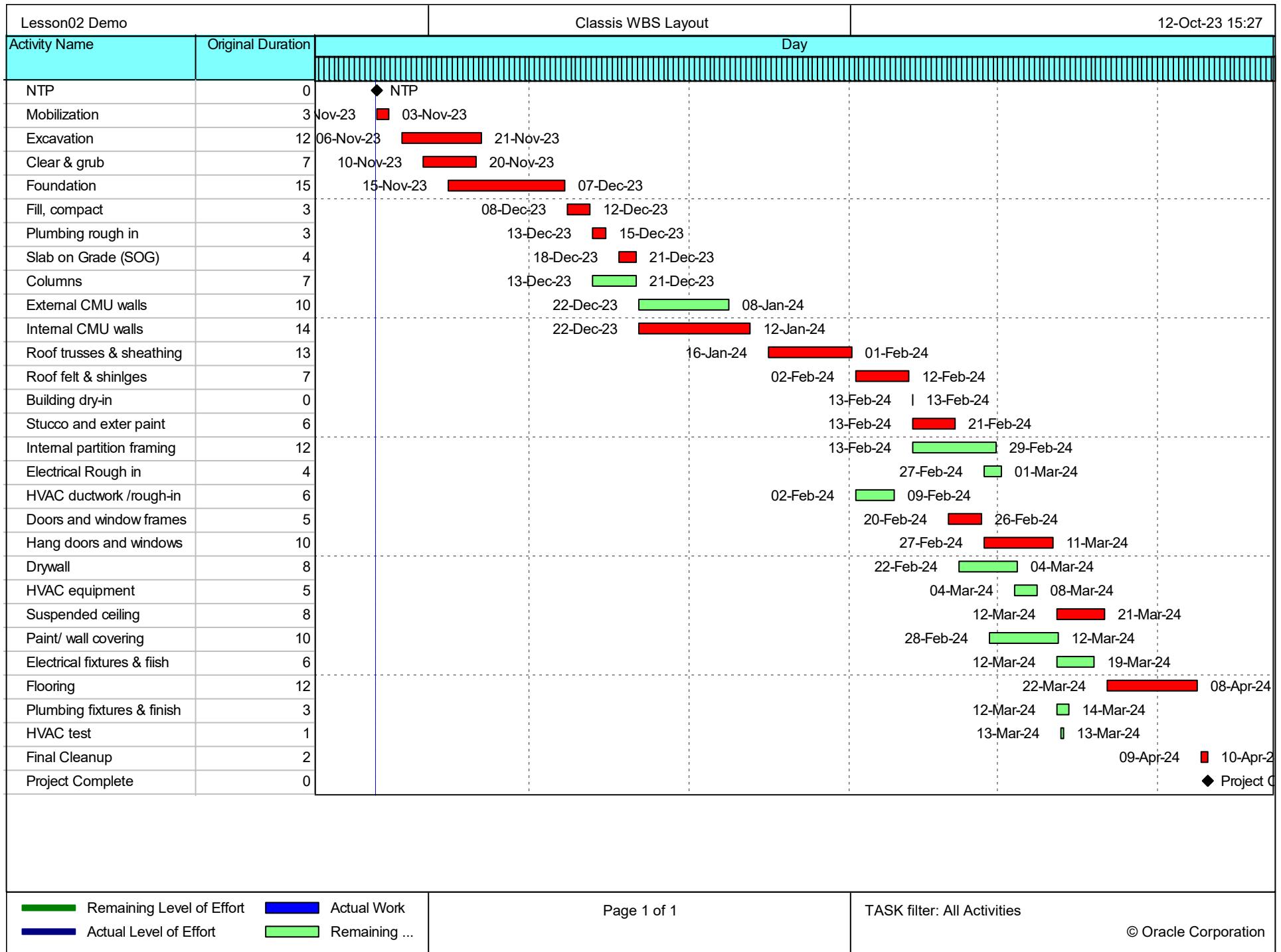
	Critical Activities.....	19		
in	Project: LESSON02 Project	Activity:	TH1000	NTP
(SOG)	Project: LESSON02 Project	Activity:	TH1010	Mobilization
walls	Project: LESSON02 Project	Activity:	TH1020	Excavation
sheathing	Project: LESSON02 Project	Activity:	TH1030	Clear & grub
shinlges	Project: LESSON02 Project	Activity:	TH1040	Foundation
exter paint	Project: LESSON02 Project	Activity:	TH1050	Fill, compact
window frames	Project: LESSON02 Project	Activity:	TH1060	Plumbing rough
windows	Project: LESSON02 Project	Activity:	TH1070	Slab on Grade
ceiling	Project: LESSON02 Project	Activity:	TH1100	Internal CMU
Complete	Project: LESSON02 Project	Activity:	TH1110	Roof trusses &
	Project: LESSON02 Project	Activity:	TH1120	Roof felt &
	Project: LESSON02 Project	Activity:	TH1130	Building dry-in
	Project: LESSON02 Project	Activity:	TH1140	Stucco and
	Project: LESSON02 Project	Activity:	TH1180	Doors and
	Project: LESSON02 Project	Activity:	TH1190	Hang doors and
	Project: LESSON02 Project	Activity:	TH1220	Suspended
	Project: LESSON02 Project	Activity:	TH1250	Flooring
	Project: LESSON02 Project	Activity:	TH1280	Final Cleanup
	Project: LESSON02 Project	Activity:	TH1290	Project

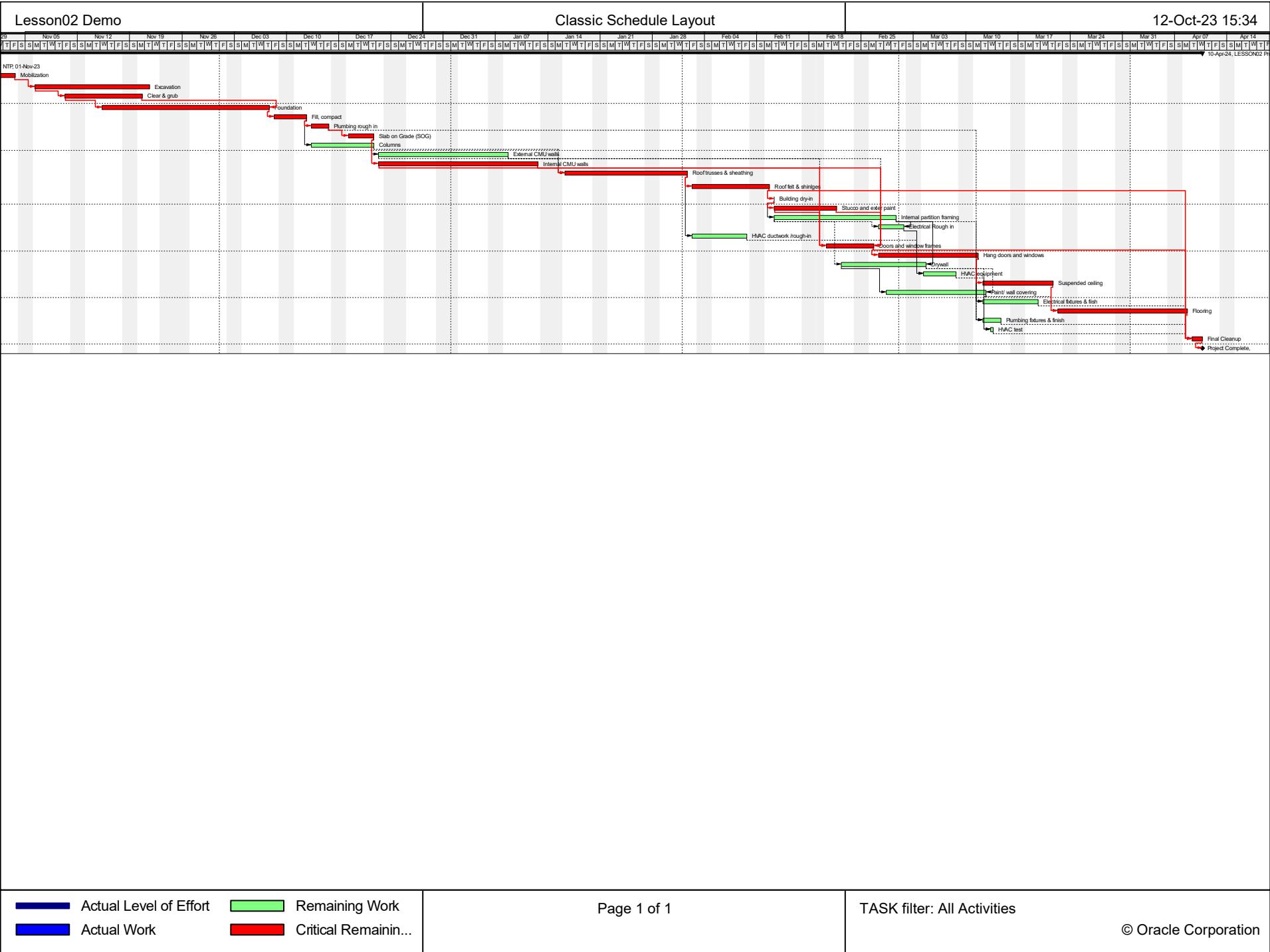
Activities with unsatisfied constraints.....0

Activities with unsatisfied relationships.....0

Activities with external dates.....0







Lesson02 Demo	3 Weeks lookahead			12-Oct-23 15:45
Display all rows	Parameter	Is	Value	High Value
(Any of the following)				
Where (All of the following)				
Where Start	is less than	CD		
And Finish	is greater than	CD		
Or (All of the following)				
Where Start	is greater than	CD		
And Start	is less than	CD+3W		

### Schedule Report- Sorted by ES and TF

Activity ID	Activity Name	Original Duration	Early Start	Early Finish	Late Start	Late Finish	Total Float	Free Float	Predecessors	Successors
TH1000	NTP	0	01-Nov-23	01-Nov-23			0	0		TH1010
TH1010	Mobilization	3	01-Nov-23	03-Nov-23	01-Nov-23	03-Nov-23	0	0	TH1000	TH1020
TH1020	Excavation	12	06-Nov-23	21-Nov-23	06-Nov-23	21-Nov-23	0	0	TH1010	TH1030
TH1030	Clear & grub	7	10-Nov-23	20-Nov-23	10-Nov-23	20-Nov-23	0	0	TH1020	TH1040, TH1040
TH1040	Foundation	15	15-Nov-23	07-Dec-23	15-Nov-23	07-Dec-23	0	0	TH1030, TH1030	TH1050
TH1050	Fill, compact	3	08-Dec-23	12-Dec-23	08-Dec-23	12-Dec-23	0	0	TH1040	TH1060, TH1080
TH1060	Plumbing rough in	3	13-Dec-23	15-Dec-23	13-Dec-23	15-Dec-23	0	0	TH1050	TH1070, TH1260
TH1080	Columns	7	13-Dec-23	21-Dec-23	04-Jan-24	12-Jan-24	14	14	TH1050	TH1110
TH1070	Slab on Grade (SOG)	4	18-Dec-23	21-Dec-23	18-Dec-23	21-Dec-23	0	0	TH1060	TH1090, TH1100
TH1100	Internal CMU walls	14	22-Dec-23	12-Jan-24	22-Dec-23	12-Jan-24	0	0	TH1070	TH1110, TH1180, TH1180
TH1090	External CMU walls	10	22-Dec-23	08-Jan-24	29-Dec-23	12-Jan-24	4	4	TH1070	TH1110, TH1180, TH1180
TH1110	Roof trusses & sheathing	13	16-Jan-24	01-Feb-24	16-Jan-24	01-Feb-24	0	0	TH1080, TH1090, TH1100	TH1120, TH1170
TH1120	Roof felt & shingles	7	02-Feb-24	12-Feb-24	02-Feb-24	12-Feb-24	0	0	TH1110	TH1130, TH1280
TH1170	HVAC ductwork/rough-in	6	02-Feb-24	09-Feb-24	22-Mar-24	29-Mar-24	34	14	TH1110	TH1210
TH1130	Building dry-in	0	13-Feb-24	13-Feb-24	12-Feb-24	12-Feb-24	0	0	TH1120	TH1140, TH1150
TH1140	Stucco and exter paint	6	13-Feb-24	21-Feb-24	13-Feb-24	21-Feb-24	0	0	TH1130	TH1180, TH1180
TH1150	Internal partition framing	12	13-Feb-24	29-Feb-24	23-Feb-24	11-Mar-24	7	0	TH1130	TH1160, TH1160, TH1200, TH1200, TH1240
TH1180	Doors and windowframes	5	20-Feb-24	26-Feb-24	20-Feb-24	26-Feb-24	0	0	TH1090, TH1090, TH1100, TH1100, TH1140, TH1140	TH1190, TH1280
TH1200	Drywall	8	22-Feb-24	04-Mar-24	04-Mar-24	13-Mar-24	7	0	TH1150, TH1150	TH1230, TH1230, TH1270
TH1190	Hang doors and windows	10	27-Feb-24	11-Mar-24	27-Feb-24	11-Mar-24	0	0	TH1180	TH1220, TH1240, TH1260
TH1160	Electrical Rough in	4	27-Feb-24	01-Mar-24	26-Mar-24	29-Mar-24	20	0	TH1150, TH1150	TH1210
TH1230	Paint/wall covering	10	28-Feb-24	12-Mar-24	08-Mar-24	21-Mar-24	7	0	TH1200, TH1200	TH1250, TH1270
TH1210	HVAC equipment	5	04-Mar-24	08-Mar-24	01-Apr-24	05-Apr-24	20	2	TH1160, TH1170	TH1270
TH1220	Suspended ceiling	8	12-Mar-24	21-Mar-24	12-Mar-24	21-Mar-24	0	0	TH1190	TH1250
TH1240	Electrical fixtures & fish	6	12-Mar-24	19-Mar-24	01-Apr-24	08-Apr-24	14	14	TH1150, TH1190	TH1280
TH1260	Plumbing fixtures & finish	3	12-Mar-24	14-Mar-24	04-Apr-24	08-Apr-24	17	17	TH1060, TH1190	TH1280
TH1270	HVAC test	1	13-Mar-24	13-Mar-24	08-Apr-24	08-Apr-24	18	18	TH1200, TH1210, TH1230	TH1280
TH1250	Flooring	12	22-Mar-24	08-Apr-24	22-Mar-24	08-Apr-24	0	0	TH1220, TH1230	TH1280
TH1280	Final Cleanup	2	09-Apr-24	10-Apr-24	09-Apr-24	10-Apr-24	0	0	TH1120, TH1180, TH1240, TH1250, TH1260, TH1270	TH1290
TH1290	Project Complete	0		10-Apr-24		10-Apr-24	0	0	TH1280	

Schedule Report- Sorted by TF and ES

Activity ID	Activity Name	Original Duration	Early Start	Early Finish	Late Start	Late Finish	Total Float	Free Float	Predecessors	Successors
TH1000	NTP	0	01-Nov-23	01-Nov-23			0	0		TH1010
TH1010	Mobilization	3	01-Nov-23	03-Nov-23	01-Nov-23	03-Nov-23	0	0	TH1000	TH1020
TH1020	Excavation	12	06-Nov-23	21-Nov-23	06-Nov-23	21-Nov-23	0	0	TH1010	TH1030
TH1030	Clear & grub	7	10-Nov-23	20-Nov-23	10-Nov-23	20-Nov-23	0	0	TH1020	TH1040, TH1040
TH1040	Foundation	15	15-Nov-23	07-Dec-23	15-Nov-23	07-Dec-23	0	0	TH1030, TH1030	TH1050
TH1050	Fill, compact	3	08-Dec-23	12-Dec-23	08-Dec-23	12-Dec-23	0	0	TH1040	TH1060, TH1060
TH1060	Plumbing rough-in	3	13-Dec-23	15-Dec-23	13-Dec-23	15-Dec-23	0	0	TH1050	TH1070, TH1260
TH1070	Slab on Grade (SOG)	4	18-Dec-23	21-Dec-23	18-Dec-23	21-Dec-23	0	0	TH1060	TH1090, TH1100
TH1100	Internal CMU walls	14	22-Dec-23	12-Jan-24	22-Dec-23	12-Jan-24	0	0	TH1070	TH1110, TH1180, TH1180
TH1110	Roof trusses & sheathing	13	16-Jan-24	01-Feb-24	16-Jan-24	01-Feb-24	0	0	TH1080, TH1090, TH1100	TH1120, TH1170
TH1120	Roof felt & shingles	7	02-Feb-24	12-Feb-24	02-Feb-24	12-Feb-24	0	0	TH1110	TH1130, TH1280
TH1130	Building dry-in	0	13-Feb-24	13-Feb-24	12-Feb-24	12-Feb-24	0	0	TH1120	TH1140, TH1150
TH1140	Stucco and exterior paint	6	13-Feb-24	21-Feb-24	13-Feb-24	21-Feb-24	0	0	TH1130	TH1180, TH1180
TH1180	Doors and window frames	5	20-Feb-24	26-Feb-24	20-Feb-24	26-Feb-24	0	0	TH1080, TH1090, TH1100, TH1100, TH1140, TH1140	TH1190, TH1280
TH1190	Hang doors and windows	10	27-Feb-24	11-Mar-24	27-Feb-24	11-Mar-24	0	0	TH1180	TH1220, TH1240, TH1260
TH1220	Suspended ceiling	8	12-Mar-24	21-Mar-24	12-Mar-24	21-Mar-24	0	0	TH1190	TH1250
TH1250	Flooring	12	22-Mar-24	08-Apr-24	22-Mar-24	08-Apr-24	0	0	TH1220, TH1230	TH1280
TH1280	Final Cleanup	2	09-Apr-24	10-Apr-24	09-Apr-24	10-Apr-24	0	0	TH1120, TH1180, TH1240, TH1250, TH1260, TH1270	TH1290
TH1290	Project Complete	0			10-Apr-24	10-Apr-24	0	0	TH1280	
TH1090	External CMU walls	10	22-Dec-23	08-Jan-24	29-Dec-23	12-Jan-24	4	4	TH1070	TH1110, TH1180, TH1180
TH1150	Internal partition framing	12	13-Feb-24	29-Feb-24	23-Feb-24	11-Mar-24	7	0	TH1130	TH1160, TH1160, TH1200, TH1200, TH1240
TH1200	Drywall	8	22-Feb-24	04-Mar-24	04-Mar-24	13-Mar-24	7	0	TH1150, TH1150	TH1230, TH1230, TH1270
TH1230	Paint/wall covering	10	28-Feb-24	12-Mar-24	08-Mar-24	21-Mar-24	7	0	TH1200, TH1200	TH1250, TH1270
TH1080	Columns	7	13-Dec-23	21-Dec-23	04-Jan-24	12-Jan-24	14	14	TH1050	TH1110
TH1240	Electrical fixtures & fish	6	12-Mar-24	19-Mar-24	01-Apr-24	08-Apr-24	14	14	TH1150, TH1190	TH1280
TH1260	Plumbing fixtures & finish	3	12-Mar-24	14-Mar-24	04-Apr-24	08-Apr-24	17	17	TH1060, TH1190	TH1280
TH1270	HVAC test	1	13-Mar-24	13-Mar-24	08-Apr-24	08-Apr-24	18	18	TH1200, TH1210, TH1230	TH1280
TH1160	Electrical Rough-in	4	27-Feb-24	01-Mar-24	26-Mar-24	29-Mar-24	20	0	TH1150, TH1150	TH1210
TH1210	HVAC equipment	5	04-Mar-24	08-Mar-24	01-Apr-24	05-Apr-24	20	2	TH1160, TH1170	TH1270
TH1170	HVAC ductwork rough-in	6	02-Feb-24	09-Feb-24	22-Mar-24	29-Mar-24	34	14	TH1110	TH1210
<b>Total</b>		<b>110</b>	<b>01-Nov-23</b>	<b>10-Apr-24</b>	<b>01-Nov-23</b>	<b>10-Apr-24</b>	<b>0</b>	<b>0</b>		

### Schedule Report- Sorted by ES, only the critical activities

Critical										
Activity ID	Activity Name	Original Duration	Early Start	Early Finish	Late Start	Late Finish	Total Float	Free Float	Predecessors	Successors
<b>Yes</b>										
TH1000	NTP	0	01-Nov-23	01-Nov-23			0	0		TH1010
TH1010	Mobilization	3	01-Nov-23	03-Nov-23	01-Nov-23	03-Nov-23	0	0	TH1000	TH1020
TH1020	Excavation	12	06-Nov-23	21-Nov-23	06-Nov-23	21-Nov-23	0	0	TH1010	TH1030
TH1030	Clear & grub	7	10-Nov-23	20-Nov-23	10-Nov-23	20-Nov-23	0	0	TH1020	TH1040, TH1040
TH1040	Foundation	15	15-Nov-23	07-Dec-23	15-Nov-23	07-Dec-23	0	0	TH1030, TH1030	TH1050
TH1050	Fill, compact	3	08-Dec-23	12-Dec-23	08-Dec-23	12-Dec-23	0	0	TH1040	TH1060, TH1080
TH1060	Plumbing rough in	3	13-Dec-23	15-Dec-23	13-Dec-23	15-Dec-23	0	0	TH1050	TH1070, TH1260
TH1070	Slab on Grade (SOG)	4	18-Dec-23	21-Dec-23	18-Dec-23	21-Dec-23	0	0	TH1060	TH1090, TH1100
TH1100	Internal CMU walls	14	22-Dec-23	12-Jan-24	22-Dec-23	12-Jan-24	0	0	TH1070	TH1110, TH1180, TH1180
TH1110	Roof trusses & sheathing	13	16-Jan-24	01-Feb-24	16-Jan-24	01-Feb-24	0	0	TH1080, TH1090, TH1100	TH1120, TH1170
TH1120	Roof felt & shingles	7	02-Feb-24	12-Feb-24	02-Feb-24	12-Feb-24	0	0	TH1110	TH1130, TH1280
TH1130	Building dry-in	0	13-Feb-24	13-Feb-24	12-Feb-24	12-Feb-24	0	0	TH1120	TH1140, TH1150
TH1140	Stucco and exterior paint	6	13-Feb-24	21-Feb-24	13-Feb-24	21-Feb-24	0	0	TH1130	TH1180, TH1180
TH1180	Doors and window frames	5	20-Feb-24	26-Feb-24	20-Feb-24	26-Feb-24	0	0	TH1090, TH1090, TH1100, TH1100, TH1140, TH1140	TH1190, TH1280
TH1190	Hang doors and windows	10	27-Feb-24	11-Mar-24	27-Feb-24	11-Mar-24	0	0	TH1180	TH1220, TH1240, TH1260
TH1220	Suspended ceiling	8	12-Mar-24	21-Mar-24	12-Mar-24	21-Mar-24	0	0	TH1190	TH1250
TH1250	Flooring	12	22-Mar-24	08-Apr-24	22-Mar-24	08-Apr-24	0	0	TH1220, TH1230	TH1280
TH1280	Final Cleanup	2	09-Apr-24	10-Apr-24	09-Apr-24	10-Apr-24	0	0	TH1120, TH1180, TH1240, TH1250, TH1260, TH1270	TH1290
TH1290	Project Complete	0		10-Apr-24		10-Apr-24	0	0	TH1280	
<b>Subtotal</b>		110	01-Nov-23	10-Apr-24	01-Nov-23	10-Apr-24	0	0		

## 3 week lookahead scheudle report

Activity ID	Activity Name	Original Duration	Early Start	Early Finish	Late Start	Late Finish	Total Float	Free Float	Predecessors	Successors
TH1000	NTP	0	01-Nov-23	01-Nov-23			0	0		TH1010
TH1010	Mobilization	3	01-Nov-23	03-Nov-23	01-Nov-23	03-Nov-23	0	0	TH1000	TH1020
TH1020	Excavation	12	06-Nov-23	21-Nov-23	06-Nov-23	21-Nov-23	0	0	TH1010	TH1030
TH1030	Clear & grub	7	10-Nov-23	20-Nov-23	10-Nov-23	20-Nov-23	0	0	TH1020	TH1040, TH1040
TH1040	Foundation	15	15-Nov-23	07-Dec-23	15-Nov-23	07-Dec-23	0	0	TH1030, TH1030	TH1050
<b>Total</b>		<b>25</b>	<b>01-Nov-23</b>	<b>07-Dec-23</b>	<b>01-Nov-23</b>	<b>07-Dec-23</b>	<b>0</b>	<b>0</b>		

## P6 Lab Report #3

Name: Tejaswini Mahadev Hegade

Project Name: Lab Renovation(WBS AND ACTIVITY CODES )

### Table of Contents

1. Scheduling Log

---

2. Bar Chart with Activity bars

---

3. Bar chart with summary bars and activity bars

---

4. Schedule report

---

5. Schedule report grouped by contractor and ES

---

6. Schedule report grouped by GC, TF & ES

---

7. Schedule report of 3 weeks look ahead by contractor

---

Default Project.....LAB03 PROJECT

Use scheduling options from.....LAB03 PROJECT

Projects:

LAB03 PROJECT.....LAB RENOVATION

Scheduling/Leveling Settings:

---

General

---

Scheduling .....Yes

Leveling .....No

Ignore relationships to and from other projects .....No

Make open-ended activities critical .....No

Use Expected Finish Dates .....Yes

Schedule automatically when a change affects dates .....No

Level resources during scheduling .....No

Recalculate assignment costs after scheduling .....No

When scheduling progressed activities use .....Retained Logic

Calculate start-to-start lag from .....Early Start

Define critical activities as Total Float less than or equal to .0

Compute Total Float As .....Finish Float

Calculate float based on finish date of .....Each project

Calendar for scheduling Relationship Lag .....Predecessor Activity Calendar

Advanced

-----  
Calculate multiple float paths.....No

Statistics:

-----  
# Projects.....1  
# Activities.....21  
# Not Started.....21  
# In Progress.....0  
# Completed.....0  
# Relationships.....40  
# Activities with Constraint.....0

Errors:

-----  
Warnings:

-----  
Activities without predecessors.....1  
Project: LAB03 PROJECT Activity: 10 Contract award  
  
Activities without successors.....1  
Project: LAB03 PROJECT Activity: 210 Lay vinyl flooring  
  
Out-of-sequence activities.....0  
  
Activities with Actual Dates > Data Date.....0  
  
Milestone Activities with invalid relationships.....0

Finish milestone and predecessors have different calendars.....0

Scheduling/Leveling Results:

---

# Projects Scheduled/Leveled.....1

# Activities Scheduled/Leveled.....21

# Relationships with other projects.....0

Data Date.....01-Dec-23

Earliest Early Start Date.....01-Dec-23

Latest Early Finish Date.....16-Jan-24

Exceptions:

---

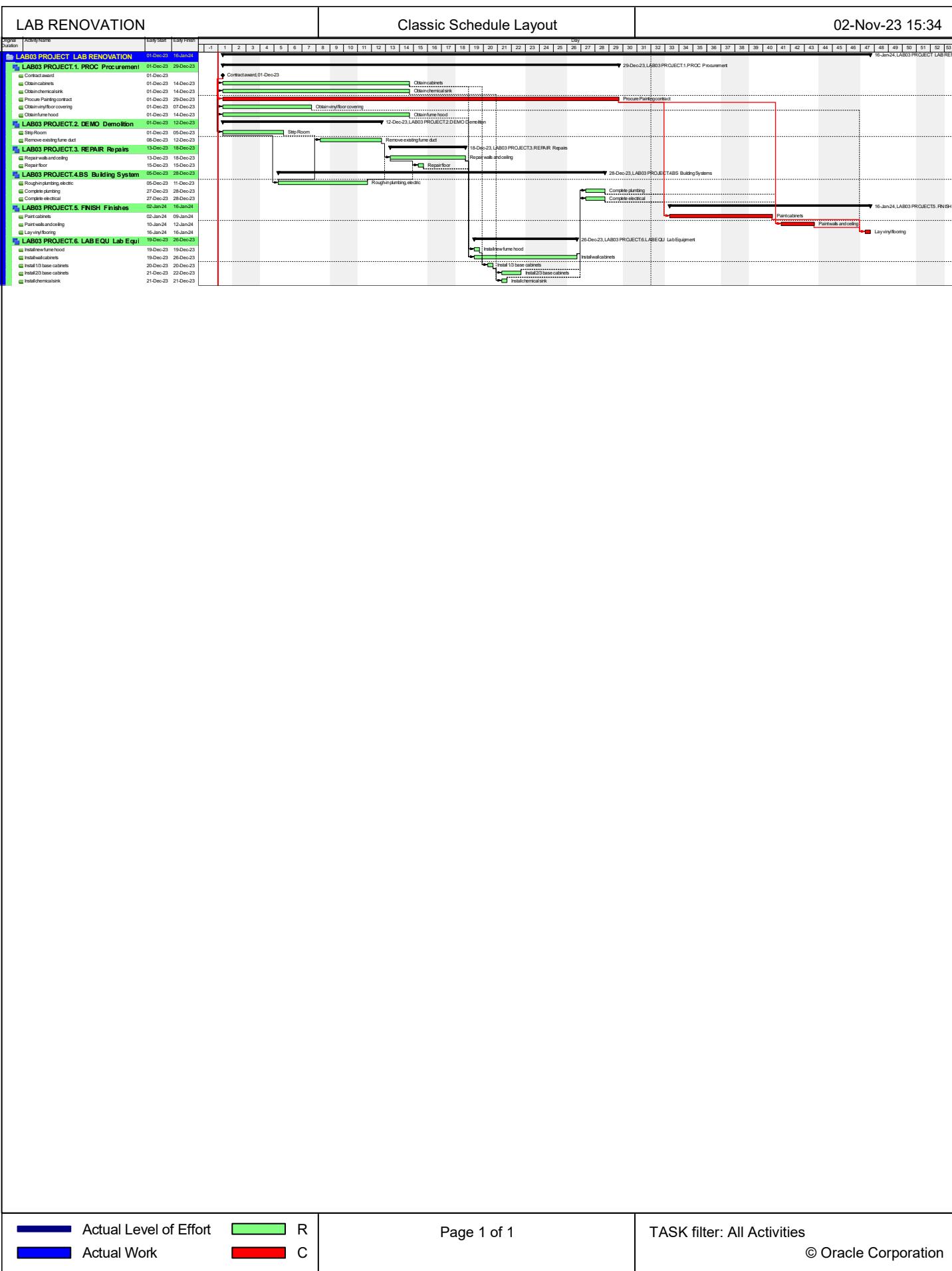
Critical Activities.....5

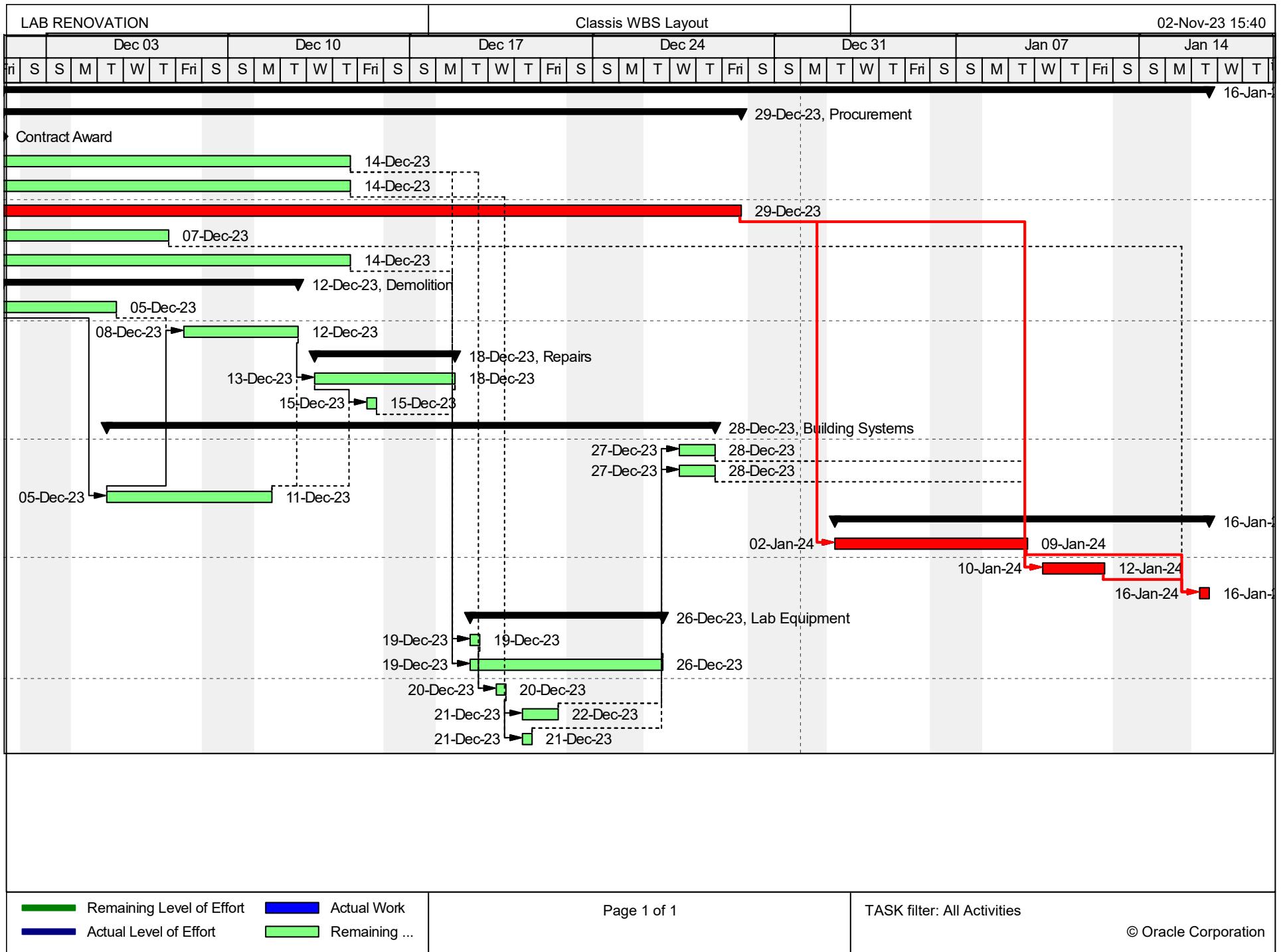
Project: LAB03 PROJECT Activity:	10	Contract award
Project: LAB03 PROJECT Activity:	190	Paint cabinets
Project: LAB03 PROJECT Activity:	200	Paint walls and ceiling
Project: LAB03 PROJECT Activity:	210	Lay vinyl flooring
Project: LAB03 PROJECT Activity:	60	Procure Painting contract

Activities with unsatisfied constraints.....0

Activities with unsatisfied relationships.....0

Activities with external dates.....0





## 3(4). Schedule Report

Activity ID	Activity Name	Original Duration	WBS	Contractor	Early Start	Early Finish	Late Start	Late Finish	Free Float	Total Float
10	Contract award	0	LAB03 PROJECT1.PROC	GC	01-Dec-23	01-Dec-23			0	0
100	Repair walls and ceiling	4	LAB03 PROJECT3.REPAIR	INTERFIN	13-Dec-23	18-Dec-23	14-Dec-23	19-Dec-23	0	1
110	Repair floor	1	LAB03 PROJECT3.REPAIR	INTERFIN	15-Dec-23	15-Dec-23	19-Dec-23	19-Dec-23	1	2
120	Install new fume hood	1	LAB03 PROJECT6.LAB EQU	ALLSYS	19-Dec-23	19-Dec-23	21-Dec-23	21-Dec-23	0	2
130	Install wall cabinets	5	LAB03 PROJECT6.LAB EQU	CABS	19-Dec-23	26-Dec-23	20-Dec-23	27-Dec-23	0	1
140	Install 1/3 base cabinets	1	LAB03 PROJECT6.LAB EQU	CABS	20-Dec-23	20-Dec-23	22-Dec-23	22-Dec-23	0	2
150	Install 2/3 base cabinets	2	LAB03 PROJECT6.LAB EQU	CABS	21-Dec-23	22-Dec-23	26-Dec-23	27-Dec-23	1	2
160	Install chemical sink	1	LAB03 PROJECT6.LAB EQU	ALLSYS	21-Dec-23	21-Dec-23	27-Dec-23	27-Dec-23	2	3
170	Complete plumbing	2	LAB03 PROJECT4.BS	ALLSYS	27-Dec-23	28-Dec-23	28-Dec-23	29-Dec-23	1	1
180	Complete electrical	2	LAB03 PROJECT4.BS	ALLSYS	27-Dec-23	28-Dec-23	28-Dec-23	29-Dec-23	1	1
190	Paint cabinets	6	LAB03 PROJECT5.FINISH	INTERFIN	02-Jan-24	09-Jan-24	02-Jan-24	09-Jan-24	0	0
20	Strip Room	3	LAB03 PROJECT2.DEMO	INTERFIN	01-Dec-23	05-Dec-23	04-Dec-23	06-Dec-23	0	1
200	Paint walls and ceiling	3	LAB03 PROJECT5.FINISH	INTERFIN	10-Jan-24	12-Jan-24	10-Jan-24	12-Jan-24	0	0
210	Lay vinyl flooring	1	LAB03 PROJECT5.FINISH	INTERFIN	16-Jan-24	16-Jan-24	16-Jan-24	16-Jan-24	0	0
30	Rough-in plumbing, electric	5	LAB03 PROJECT4.BS	ALLSYS	05-Dec-23	11-Dec-23	06-Dec-23	12-Dec-23	0	1
40	Obtain cabinets	10	LAB03 PROJECT1.PROC	GC	01-Dec-23	14-Dec-23	06-Dec-23	19-Dec-23	2	3
50	Obtain chemical sink	10	LAB03 PROJECT1.PROC	GC	01-Dec-23	14-Dec-23	12-Dec-23	26-Dec-23	4	7
60	Procure Painting contract	20	LAB03 PROJECT1.PROC	GC	01-Dec-23	29-Dec-23	01-Dec-23	29-Dec-23	0	0
70	Obtain vinyl floor covering	5	LAB03 PROJECT1.PROC	GC	01-Dec-23	07-Dec-23	08-Jan-24	12-Jan-24	24	24
80	Obtain fume hood	10	LAB03 PROJECT1.PROC	GC	01-Dec-23	14-Dec-23	07-Dec-23	20-Dec-23	2	4
90	Remove existing fume duct	3	LAB03 PROJECT2.DEMO	INTERFIN	08-Dec-23	12-Dec-23	11-Dec-23	13-Dec-23	0	1
<b>Total</b>		<b>30</b>			<b>01-Dec-23</b>	<b>16-Jan-24</b>	<b>01-Dec-23</b>	<b>16-Jan-24</b>	<b>0</b>	<b>0</b>

**3(5). Schedule Report - Contractor**

Contractor								
Activity ID	Activity Name	Original Duration	Early Start	Early Finish	Late Start	Late Finish	Total Float	Free Float
<b>GC GC</b>								
10	Contract award	0	01-Dec-23		01-Dec-23		0	0
40	Obtain cabinets	10	01-Dec-23	14-Dec-23	06-Dec-23	19-Dec-23	3	2
50	Obtain chemical sink	10	01-Dec-23	14-Dec-23	12-Dec-23	26-Dec-23	7	4
60	Procure Painting contract	20	01-Dec-23	29-Dec-23	01-Dec-23	29-Dec-23	0	0
70	Obtain vinyl floor covering	5	01-Dec-23	07-Dec-23	08-Jan-24	12-Jan-24	24	24
80	Obtain fume hood	10	01-Dec-23	14-Dec-23	07-Dec-23	20-Dec-23	4	2
<b>Subtotal</b>		<b>20</b>	<b>01-Dec-23</b>	<b>29-Dec-23</b>	<b>01-Dec-23</b>	<b>12-Jan-24</b>	<b>9</b>	<b>0</b>
<b>ALLSYS MEP System</b>								
120	Install new fume hood	1	19-Dec-23	19-Dec-23	21-Dec-23	21-Dec-23	2	0
160	Install chemical sink	1	21-Dec-23	21-Dec-23	27-Dec-23	27-Dec-23	3	2
170	Complete plumbing	2	27-Dec-23	28-Dec-23	28-Dec-23	29-Dec-23	1	1
180	Complete electrical	2	27-Dec-23	28-Dec-23	28-Dec-23	29-Dec-23	1	1
30	Rough-in plumbing, electric	5	05-Dec-23	11-Dec-23	06-Dec-23	12-Dec-23	1	0
<b>Subtotal</b>		<b>17</b>	<b>05-Dec-23</b>	<b>28-Dec-23</b>	<b>06-Dec-23</b>	<b>29-Dec-23</b>	<b>1</b>	<b>0</b>
<b>CABS Cabinets</b>								
130	Install wall cabinets	5	19-Dec-23	26-Dec-23	20-Dec-23	27-Dec-23	1	0
140	Install 1/3 base cabinets	1	20-Dec-23	20-Dec-23	22-Dec-23	22-Dec-23	2	0
150	Install 2/3 base cabinets	2	21-Dec-23	22-Dec-23	26-Dec-23	27-Dec-23	2	1
<b>Subtotal</b>		<b>5</b>	<b>19-Dec-23</b>	<b>26-Dec-23</b>	<b>20-Dec-23</b>	<b>27-Dec-23</b>	<b>1</b>	<b>0</b>
<b>INTERFIN Interiors and Finishes</b>								
100	Repair walls and ceiling	4	13-Dec-23	18-Dec-23	14-Dec-23	19-Dec-23	1	0
110	Repair floor	1	15-Dec-23	15-Dec-23	19-Dec-23	19-Dec-23	2	1
190	Paint cabinets	6	02-Jan-24	09-Jan-24	02-Jan-24	09-Jan-24	0	0
20	Strip Room	3	01-Dec-23	05-Dec-23	04-Dec-23	06-Dec-23	1	0
200	Paint walls and ceiling	3	10-Jan-24	12-Jan-24	10-Jan-24	12-Jan-24	0	0
210	Lay vinyl flooring	1	16-Jan-24	16-Jan-24	16-Jan-24	16-Jan-24	0	0
90	Remove existing fume duct	3	08-Dec-23	12-Dec-23	11-Dec-23	13-Dec-23	1	0
<b>Subtotal</b>		<b>30</b>	<b>01-Dec-23</b>	<b>16-Jan-24</b>	<b>04-Dec-23</b>	<b>16-Jan-24</b>	<b>0</b>	<b>0</b>
<b>Total</b>		<b>30</b>	<b>01-Dec-23</b>	<b>16-Jan-24</b>	<b>01-Dec-23</b>	<b>16-Jan-24</b>	<b>0</b>	<b>0</b>

### 3(6). Schedule Report - GC TF,ES

**Contractor**

<b>Activity ID</b>	<b>Activity Name</b>	<b>Original Duration</b>	<b>Early Start</b>	<b>Early Finish</b>	<b>Late Start</b>	<b>Late Finish</b>	<b>Total Float</b>	<b>Free Float</b>
<b>GC GC</b>								
10	Contract award	0	01-Dec-23		01-Dec-23		0	0
60	Procure Painting contract	20	01-Dec-23	29-Dec-23	01-Dec-23	29-Dec-23	0	0
40	Obtain cabinets	10	01-Dec-23	14-Dec-23	06-Dec-23	19-Dec-23	3	2
80	Obtain fume hood	10	01-Dec-23	14-Dec-23	07-Dec-23	20-Dec-23	4	2
50	Obtain chemical sink	10	01-Dec-23	14-Dec-23	12-Dec-23	26-Dec-23	7	4
70	Obtain vinyl floor covering	5	01-Dec-23	07-Dec-23	08-Jan-24	12-Jan-24	24	24
<b>Subtotal</b>		<b>20</b>	<b>01-Dec-23</b>	<b>29-Dec-23</b>	<b>01-Dec-23</b>	<b>12-Jan-24</b>	<b>9</b>	<b>0</b>

### 3(7). Schedule Report - 3 week lookahead Contractor

Contractor								
Activity ID	Activity Name	Original Duration	Early Start	Early Finish	Late Start	Late Finish	Total Float	Free Float
<b>GC GC</b>								
10	Contract award	0	01-Dec-23		01-Dec-23		0	0
40	Obtain cabinets	10	01-Dec-23	14-Dec-23	06-Dec-23	19-Dec-23	3	2
50	Obtain chemical sink	10	01-Dec-23	14-Dec-23	12-Dec-23	26-Dec-23	7	4
60	Procure Painting contract	20	01-Dec-23	29-Dec-23	01-Dec-23	29-Dec-23	0	0
70	Obtain vinyl floor covering	5	01-Dec-23	07-Dec-23	08-Jan-24	12-Jan-24	24	24
80	Obtain fume hood	10	01-Dec-23	14-Dec-23	07-Dec-23	20-Dec-23	4	2
<b>Subtotal</b>		<b>20</b>	<b>01-Dec-23</b>	<b>29-Dec-23</b>	<b>01-Dec-23</b>	<b>12-Jan-24</b>	<b>9</b>	<b>0</b>
<b>ALLSYS MEP System</b>								
30	Rough-in plumbing, electric	5	05-Dec-23	11-Dec-23	06-Dec-23	12-Dec-23	1	0
120	Install new fume hood	1	19-Dec-23	19-Dec-23	21-Dec-23	21-Dec-23	2	0
160	Install chemical sink	1	21-Dec-23	21-Dec-23	27-Dec-23	27-Dec-23	3	2
<b>Subtotal</b>		<b>13</b>	<b>05-Dec-23</b>	<b>21-Dec-23</b>	<b>06-Dec-23</b>	<b>27-Dec-23</b>	<b>3</b>	<b>0</b>
<b>CABS Cabinets</b>								
130	Install wall cabinets	5	19-Dec-23	26-Dec-23	20-Dec-23	27-Dec-23	1	0
140	Install 1/3 base cabinets	1	20-Dec-23	20-Dec-23	22-Dec-23	22-Dec-23	2	0
150	Install 2/3 base cabinets	2	21-Dec-23	22-Dec-23	26-Dec-23	27-Dec-23	2	1
<b>Subtotal</b>		<b>5</b>	<b>19-Dec-23</b>	<b>26-Dec-23</b>	<b>20-Dec-23</b>	<b>27-Dec-23</b>	<b>1</b>	<b>0</b>
<b>INTERFIN Interiors and Finishes</b>								
20	Strip Room	3	01-Dec-23	05-Dec-23	04-Dec-23	06-Dec-23	1	0
90	Remove existing fume duct	3	08-Dec-23	12-Dec-23	11-Dec-23	13-Dec-23	1	0
100	Repair walls and ceiling	4	13-Dec-23	18-Dec-23	14-Dec-23	19-Dec-23	1	0
110	Repair floor	1	15-Dec-23	15-Dec-23	19-Dec-23	19-Dec-23	2	1
<b>Subtotal</b>		<b>12</b>	<b>01-Dec-23</b>	<b>18-Dec-23</b>	<b>04-Dec-23</b>	<b>19-Dec-23</b>	<b>1</b>	<b>0</b>

## P6 Lab Report #4

Name: Tejaswini Mahadev Hegade

Project Name: \_\_\_\_\_ **Resources** \_\_\_\_\_

### Table of Contents

**1.** Scheduling log

---

**2.** Table with Bar Chart

---

**3.** schedule report

---

**4.** project resource dictionary.

---

**5.** resource loading report grouped by activity.

---

**6.** resource loading report grouped by resource

---

**7.** resource loading report with time distributed data , grouped by  
resource

---

**8.** Resource Histogram ( Lab- Mason )

---

**9.** Resource Histogram (Lab- Helper)

---

**10.** Bar Chart with 5 Mason and 2 Helpers

**Scheduling/Leveling Report - 2023-11-02 16:56:34 - PM.EXE**

---

---

**Default Project.....NEWPROJ-3**  
**Use scheduling options from.....NEWPROJ-3**

**Projects:**  
**NEWPROJ-3.....Resources**

**Scheduling/Leveling Settings:**

**General**

**Scheduling .....Yes**  
**Leveling .....No**  
**Ignore relationships to and from other projects .....No**  
**Make open-ended activities critical .....No**  
**Use Expected Finish Dates .....Yes**  
**Schedule automatically when a change affects dates .....No**  
**Level resources during scheduling .....No**  
**Recalculate assignment costs after scheduling .....No**  
**When scheduling progressed activities use .....Retained**

**Logic**

**Calculate start-to-start lag from .....Early Start**  
**Define critical activities as Total Float less than or equal to .0**  
**Compute Total Float As .....Finish Float**  
**Calculate float based on finish date of .....Each project**  
**Calendar for scheduling Relationship Lag**  
**.....Predecessor Activity Calendar**

**Advanced**

**Calculate multiple float paths.....No**

**Statistics:**

**# Projects.....1**  
**# Activities.....12**  
**# Not Started.....12**

# In Progress.....0  
# Completed.....0  
# Relationships.....15  
# Activities with Constraint.....0

Errors:

-----

Warnings:

-----

Activities without predecessors.....1  
Project: NEWPROJ-3 Activity: TH0010 A

Activities without successors.....1  
Project: NEWPROJ-3 Activity: TH0120 M

Out-of-sequence activities.....0

Activities with Actual Dates > Data Date.....0

Milestone Activities with invalid relationships.....0

Finish milestone and predecessors have different calendars.....0

Scheduling/Leveling Results:

-----  
# Projects Scheduled/Leveled.....1  
# Activities Scheduled/Leveled.....12  
# Relationships with other projects.....0  
Data Date.....01-Dec-23  
Earliest Early Start Date.....01-Dec-23  
Latest Early Finish Date.....22-Dec-23

Exceptions:

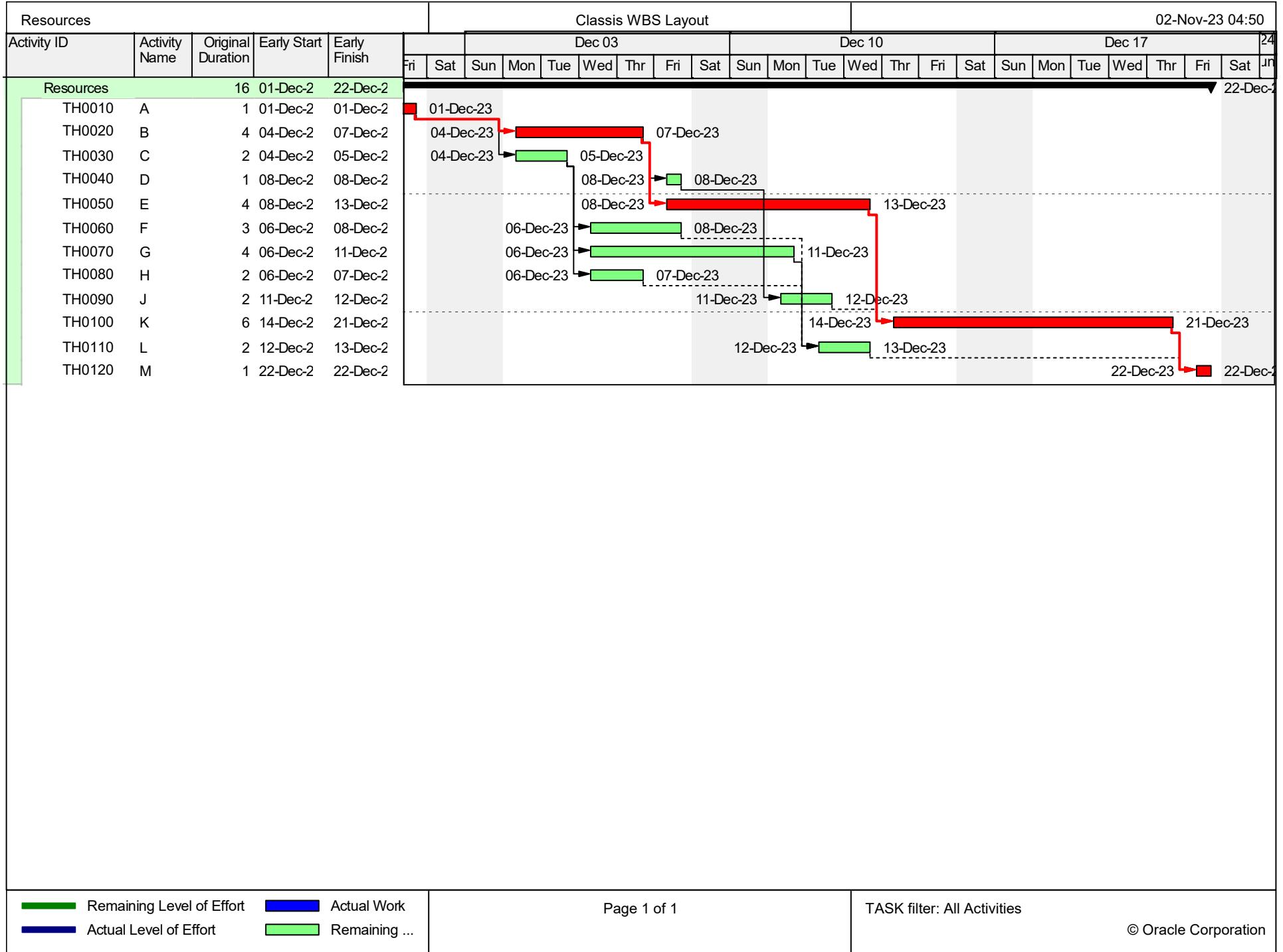
-----

Critical Activities.....5  
Project: NEWPROJ-3 Activity: TH0010 A  
Project: NEWPROJ-3 Activity: TH0020 B  
Project: NEWPROJ-3 Activity: TH0050 E  
Project: NEWPROJ-3 Activity: TH0100 K  
Project: NEWPROJ-3 Activity: TH0120 M

Activities with unsatisfied constraints.....0

Activities with unsatisfied relationships.....0

Activities with external dates.....0



### 4(3). Schedule Report

Activity ID	Activity Name	Original Duration	Predecessors	Successors	Resources	Early Start	Early Finish	Late Start	Late Finish	Total Float	Free Float
TH0010	A	1		TH0020, TH0030	Lab Mason, Lab Helper	01-Dec-23	01-Dec-23	01-Dec-23	01-Dec-23	0	0
TH0020	B	4	TH0010	TH0040, TH0050	Lab Mason, Lab Helper	04-Dec-23	07-Dec-23	04-Dec-23	07-Dec-23	0	0
TH0030	C	2	TH0010	TH0060, TH0070, TH0080	Lab Mason, Lab Helper	04-Dec-23	05-Dec-23	12-Dec-23	13-Dec-23	6	0
TH0040	D	1	TH0020	TH0090	Lab Mason	08-Dec-23	08-Dec-23	11-Dec-23	11-Dec-23	1	0
TH0050	E	4	TH0020	TH0100	Lab Mason	08-Dec-23	13-Dec-23	08-Dec-23	13-Dec-23	0	0
TH0060	F	3	TH0030	TH0110	Lab Mason	06-Dec-23	08-Dec-23	15-Dec-23	19-Dec-23	7	1
TH0070	G	4	TH0030	TH0110	Lab Mason, Lab Helper	06-Dec-23	11-Dec-23	14-Dec-23	19-Dec-23	6	0
TH0080	H	2	TH0030	TH0110	Lab Mason, Lab Helper	06-Dec-23	07-Dec-23	18-Dec-23	19-Dec-23	8	2
TH0090	J	2	TH0040	TH0100	Lab Mason, Lab Helper	11-Dec-23	12-Dec-23	12-Dec-23	13-Dec-23	1	1
TH0100	K	6	TH0090, TH0050	TH0120	Lab Mason, Lab Helper	14-Dec-23	21-Dec-23	14-Dec-23	21-Dec-23	0	0
TH0110	L	2	TH0060, TH0070, TH0080	TH0120	Lab Mason, Lab Helper	12-Dec-23	13-Dec-23	20-Dec-23	21-Dec-23	6	6
TH0120	M	1	TH0100, TH0110		Lab Mason, Lab Helper	22-Dec-23	22-Dec-23	22-Dec-23	22-Dec-23	0	0
<b>Total</b>		<b>16</b>				<b>01-Dec-23</b>	<b>22-Dec-23</b>	<b>01-Dec-23</b>	<b>22-Dec-23</b>	<b>0</b>	<b>0</b>

Resources		Current Project's Resources		03-Nov-23 13:57
Resource ID	Resource Name	Resource Type	Price / Unit	Default Units / Time
 Lab Mason	Lab Mason	Labor	\$0.00/h	8/d
 Lab Helper	Lab Helper	Labor	\$0.00/h	8/d

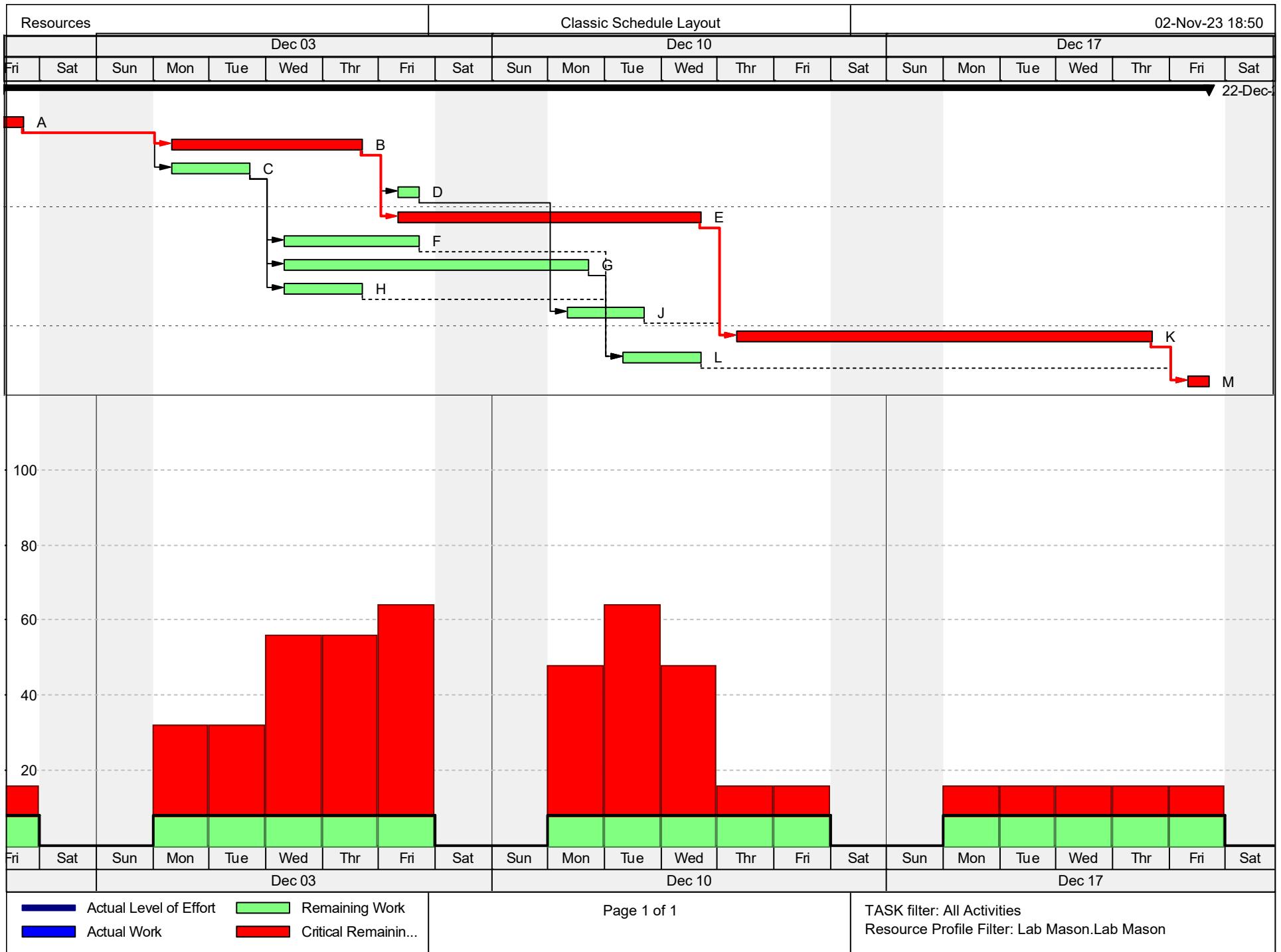


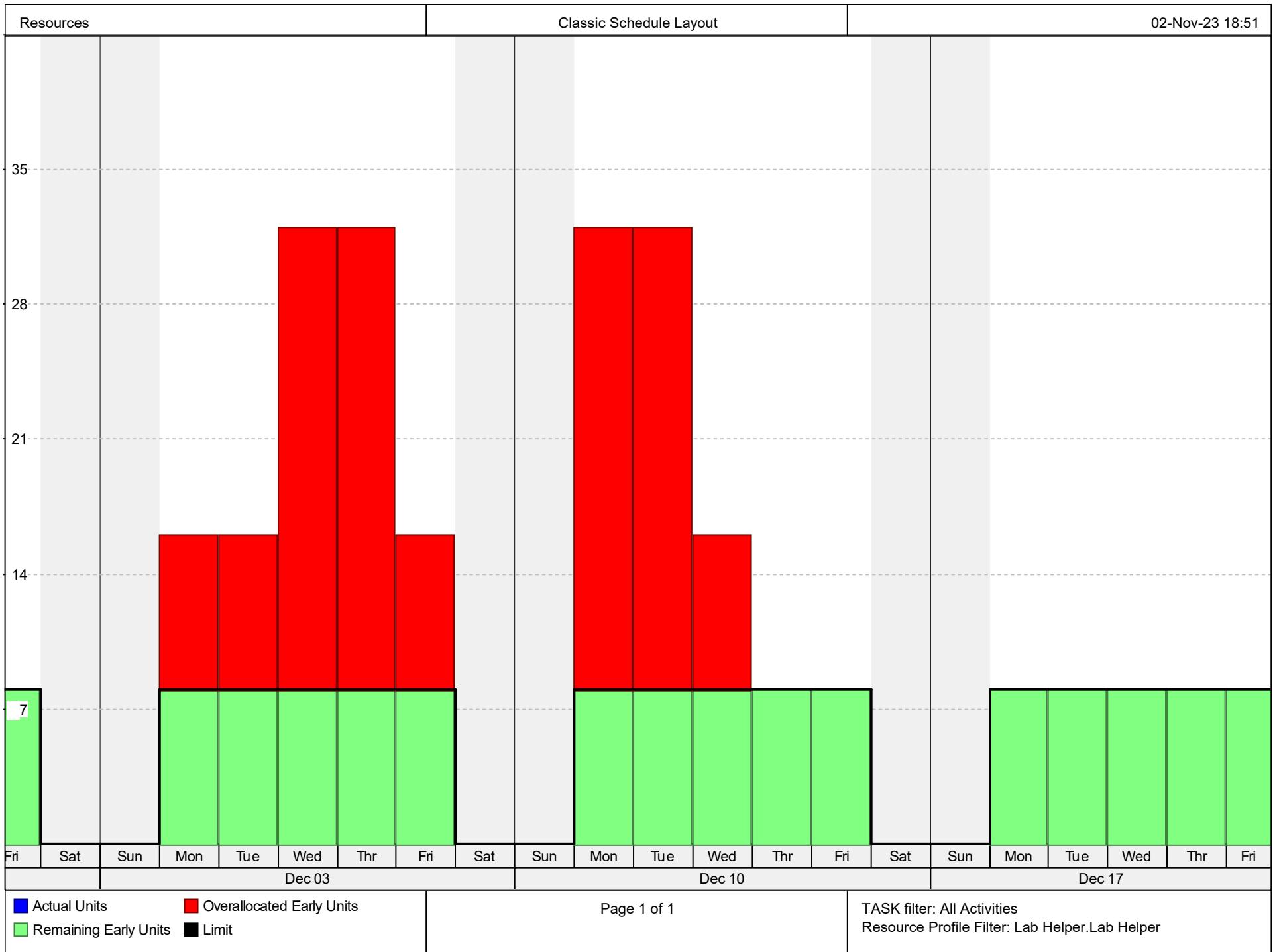
## 4(6) Resource loading report grouped by resources

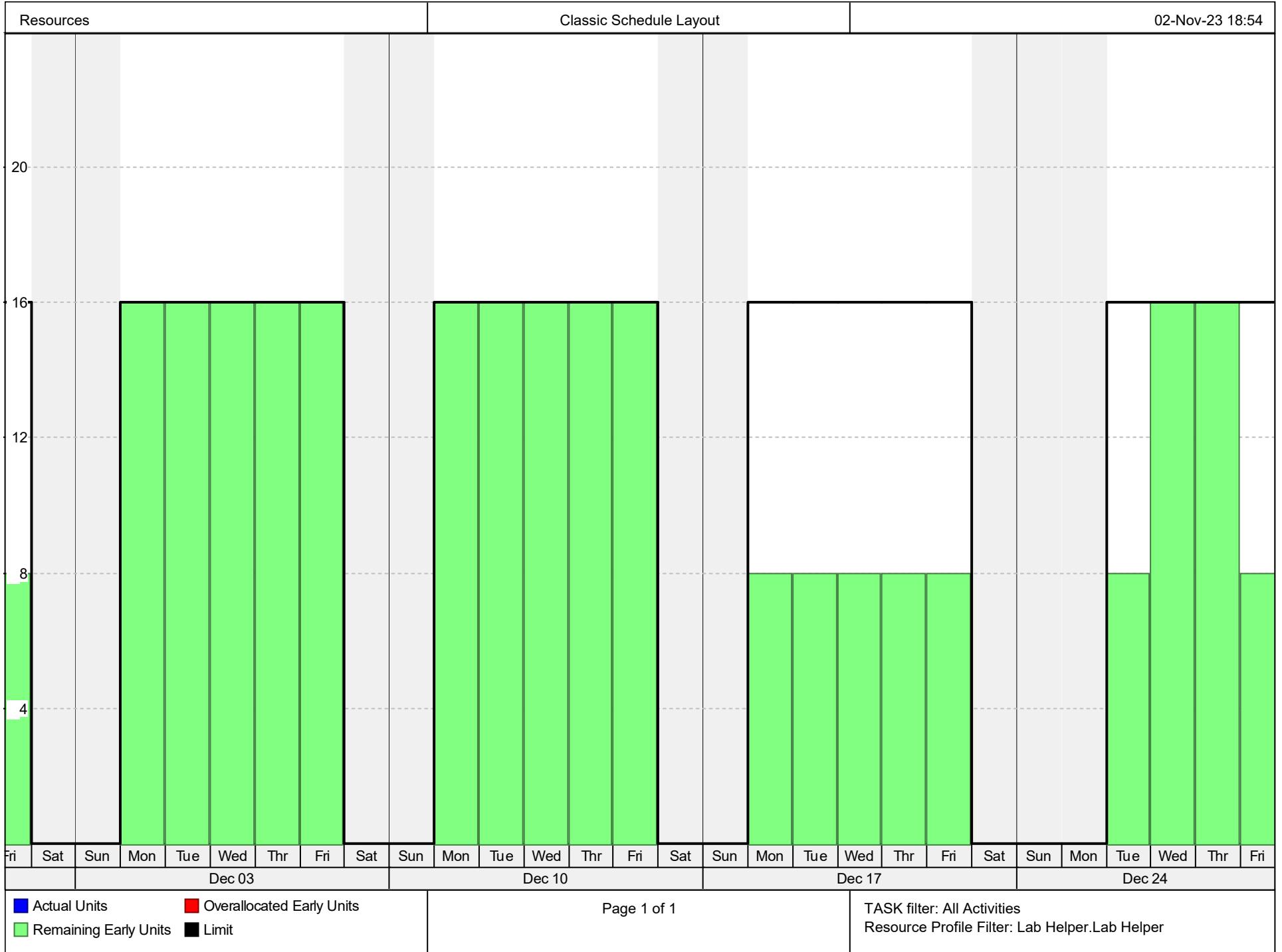
**Resource ID Name**

Activity ID	Activity Name	Original Duration	Start	Finish	Resource Name	Budgeted Units	Budgeted Units / Time	Actual Units	Remaining Units
<b>Lab Mason Lab Mason</b>									
TH0010	A	1	01-Dec-23	01-Dec-23	Lab Mason	16	16/d	0	16
TH0020	B	4	04-Dec-23	07-Dec-23	Lab Mason	64	16/d	0	64
TH0030	C	2	04-Dec-23	05-Dec-23	Lab Mason	32	16/d	0	32
TH0040	D	1	08-Dec-23	08-Dec-23	Lab Mason	8	8/d	0	8
TH0050	E	4	08-Dec-23	13-Dec-23	Lab Mason	96	24/d	0	96
TH0060	F	3	06-Dec-23	08-Dec-23	Lab Mason	72	24/d	0	72
TH0070	G	4	06-Dec-23	11-Dec-23	Lab Mason	32	8/d	0	32
TH0080	H	2	14-Dec-23	15-Dec-23	Lab Mason	16	8/d	0	16
TH0090	J	2	11-Dec-23	12-Dec-23	Lab Mason	32	16/d	0	32
TH0100	K	6	14-Dec-23	21-Dec-23	Lab Mason	96	16/d	0	96
TH0110	L	2	18-Dec-23	19-Dec-23	Lab Mason	48	24/d	0	48
TH0120	M	1	22-Dec-23	22-Dec-23	Lab Mason	16	16/d	0	16
<b>Subtotal</b>				<b>16 01-Dec-23</b>	<b>22-Dec-23</b>	<b>528</b>		<b>0</b>	<b>528</b>
<b>Lab Helper Lab Helper</b>									
TH0010	A	1	01-Dec-23	01-Dec-23	Lab Helper	8	8/d	0	8
TH0020	B	4	04-Dec-23	07-Dec-23	Lab Helper	32	8/d	0	32
TH0030	C	2	04-Dec-23	05-Dec-23	Lab Helper	16	8/d	0	16
TH0070	G	4	06-Dec-23	11-Dec-23	Lab Helper	64	16/d	0	64
TH0080	H	2	14-Dec-23	15-Dec-23	Lab Helper	16	8/d	0	16
TH0090	J	2	11-Dec-23	12-Dec-23	Lab Helper	32	16/d	0	32
TH0100	K	6	14-Dec-23	21-Dec-23	Lab Helper	48	8/d	0	48
TH0110	L	2	18-Dec-23	19-Dec-23	Lab Helper	32	16/d	0	32
TH0120	M	1	22-Dec-23	22-Dec-23	Lab Helper	8	8/d	0	8
<b>Subtotal</b>				<b>16 01-Dec-23</b>	<b>22-Dec-23</b>	<b>256</b>		<b>0</b>	<b>256</b>









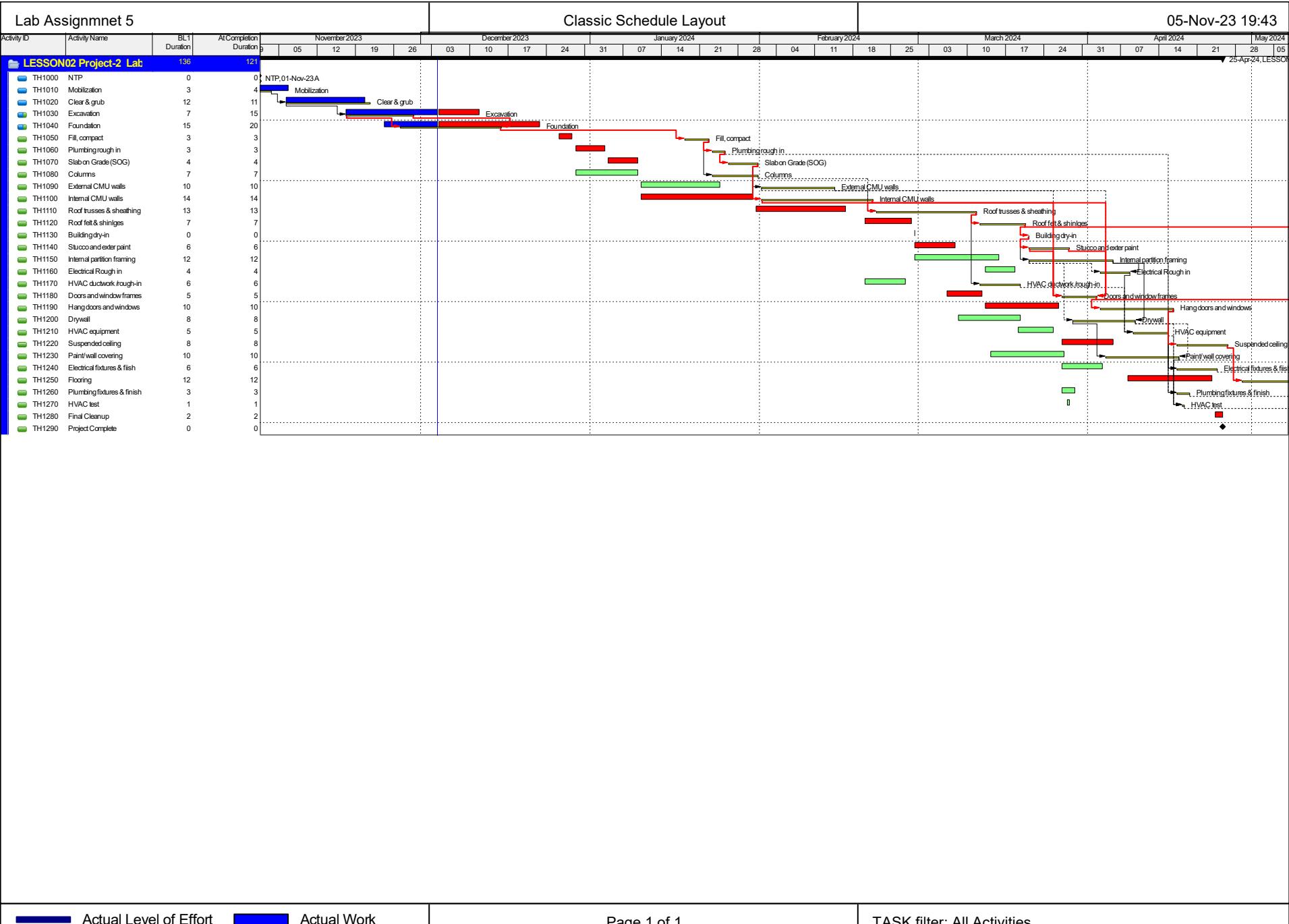
## P6 Lab Report #5

Name: Tejaswini Mahadev Hegade

Project Name: Schedule Update

### Table of Contents

1. Bar chart and Activity table
2. Schedule report - Update with Baseline
3. Schedule report -Activity Variances
4. Thresholds and Issues
5. Issues Report at activity level of detail
- 6.
- 7.
- 8.
- 9.





## Activitiy Variances

<b>Activity ID</b>	<b>Activity Name</b>	<b>Variance - BL1 Start Date</b>	<b>Variance - BL1 Duration</b>	<b>Variance - BL1 Finish Date</b>
TH1000	NTP	0	0	0
TH1010	Mobilization	0	-1	-1
TH1020	Clear & grub	0	1	1
TH1030	Excavation	0	-8	-8
TH1040	Foundation	0	-5	-5
TH1050	Fill, compact	15	0	15
TH1060	Plumbing rough in	15	0	15
TH1070	Slab on Grade (SOG)	15	0	15
TH1080	Columns	15	0	15
TH1090	External CMU walls	15	0	15
TH1100	Internal CMU walls	15	0	15
TH1110	Roof trusses & sheathing	15	0	15
TH1120	Roof felt & shinlges	15	0	15
TH1130	Building dry-in	15	0	15
TH1140	Stucco and exter paint	15	0	15
TH1150	Internal partition framing	15	0	15
TH1160	Electrical Rough in	15	0	15
TH1170	HVAC ductwork /rough-in	15	0	15
TH1180	Doors and window frames	15	0	15
TH1190	Hang doors and windows	15	0	15
TH1200	Drywall	15	0	15
TH1210	HVAC equipment	15	0	15
TH1220	Suspended ceiling	15	0	15
TH1230	Paint/ wall covering	15	0	15
TH1240	Electrical fixtures & fiish	15	0	15
TH1250	Flooring	15	0	15
TH1260	Plumbing fixtures & finish	15	0	15
TH1270	HVAC test	15	0	15
TH1280	Final Cleanup	15	0	15
TH1290	Project Complete	15	0	15
<b>Total</b>		<b>0</b>	<b>15</b>	<b>15</b>

Lab Assignment 5			All Thresholds				05-Nov-23 21:39		
Threshold Parameter	WBS	Status	Priority	Upper Threshold	Lower Threshold	Threshold	Detail To Monitor	Total Issues	
Start Date Variance (days)	LESSON02 Project	Enabled	3 - Normal		-1	Start Date Variance (days) below -1	Activity	0	
Finish Date Variance (days)	LESSON02 Project	Enabled	3 - Normal		-1	Finish Date Variance (days) below -1	Activity	3	
Total Float (days)	LESSON02 Project	Enabled	3 - Normal		0	Total Float (days) below 0	Activity	16	

## IS-04 Issue Navigator

**Threshold**

<b>Activity</b>	<b>Issue</b>
<b>Finish Date Variance (days) below -1</b>	
Mobilization	Finish Date Variance (days) is -1 on Activity: TH1010
Excavation	Finish Date Variance (days) is -8 on Activity: TH1030
Foundation	Finish Date Variance (days) is -5 on Activity: TH1040
<b>Total Float (days) below 0</b>	
Excavation	Total Float (days) is 0 on Activity: TH1030
Foundation	Total Float (days) is 0 on Activity: TH1040
Fill, compact	Total Float (days) is 0 on Activity: TH1050
Plumbing rough in	Total Float (days) is 0 on Activity: TH1060
Slab on Grade (SOG)	Total Float (days) is 0 on Activity: TH1070
Internal CMU walls	Total Float (days) is 0 on Activity: TH1100
Roof trusses & sheathing	Total Float (days) is 0 on Activity: TH1110
Roof felt & shingles	Total Float (days) is 0 on Activity: TH1120
Building dry-in	Total Float (days) is 0 on Activity: TH1130
Stucco and exter paint	Total Float (days) is 0 on Activity: TH1140
Doors and window frames	Total Float (days) is 0 on Activity: TH1180
Hang doors and windows	Total Float (days) is 0 on Activity: TH1190
Suspended ceiling	Total Float (days) is 0 on Activity: TH1220
Flooring	Total Float (days) is 0 on Activity: TH1250
Final Cleanup	Total Float (days) is 0 on Activity: TH1280
Project Complete	Total Float (days) is 0 on Activity: TH1290