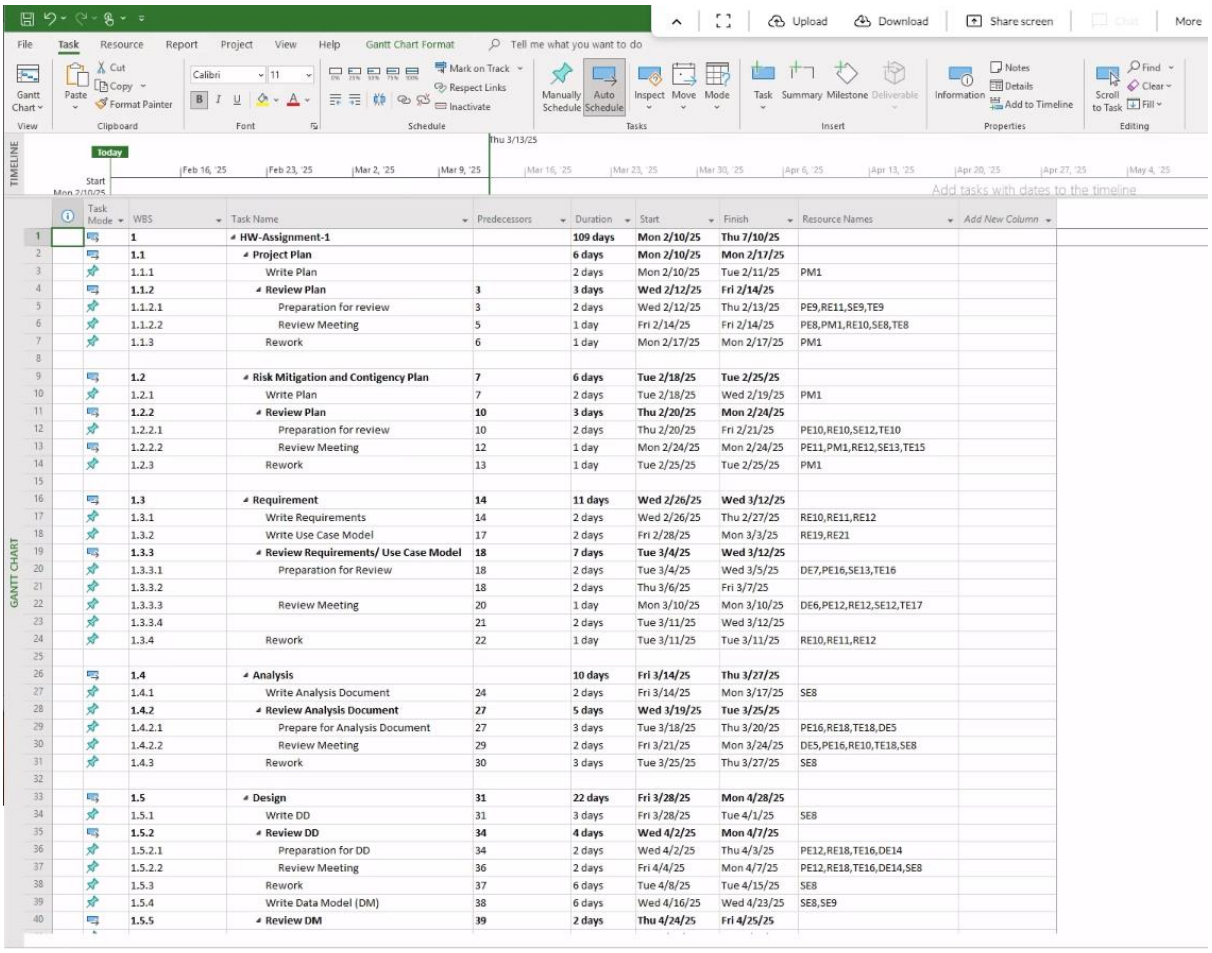
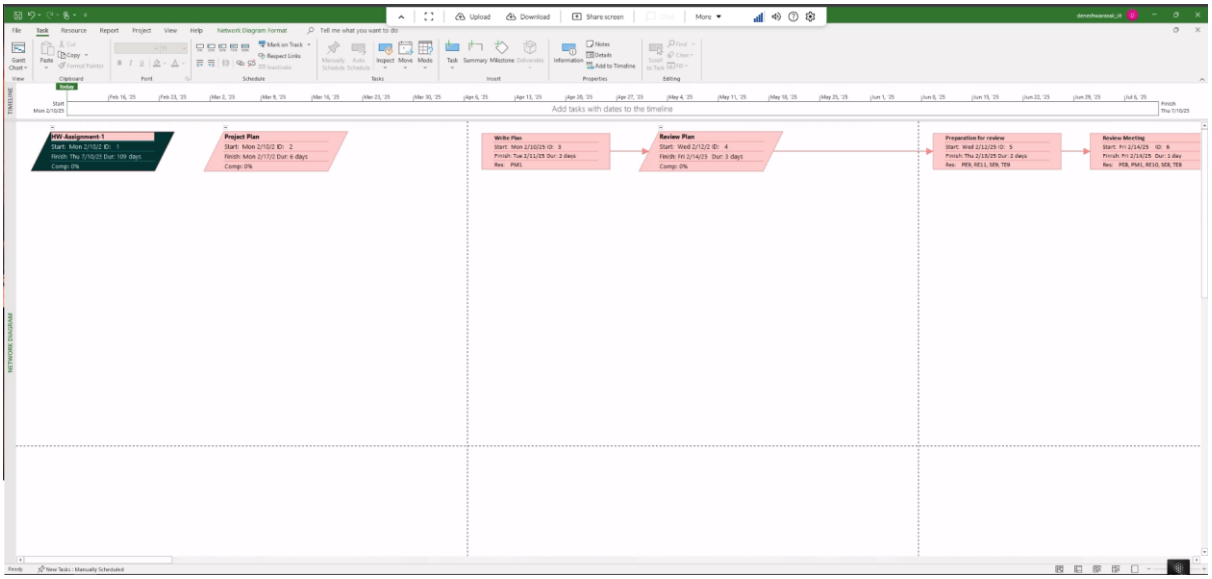
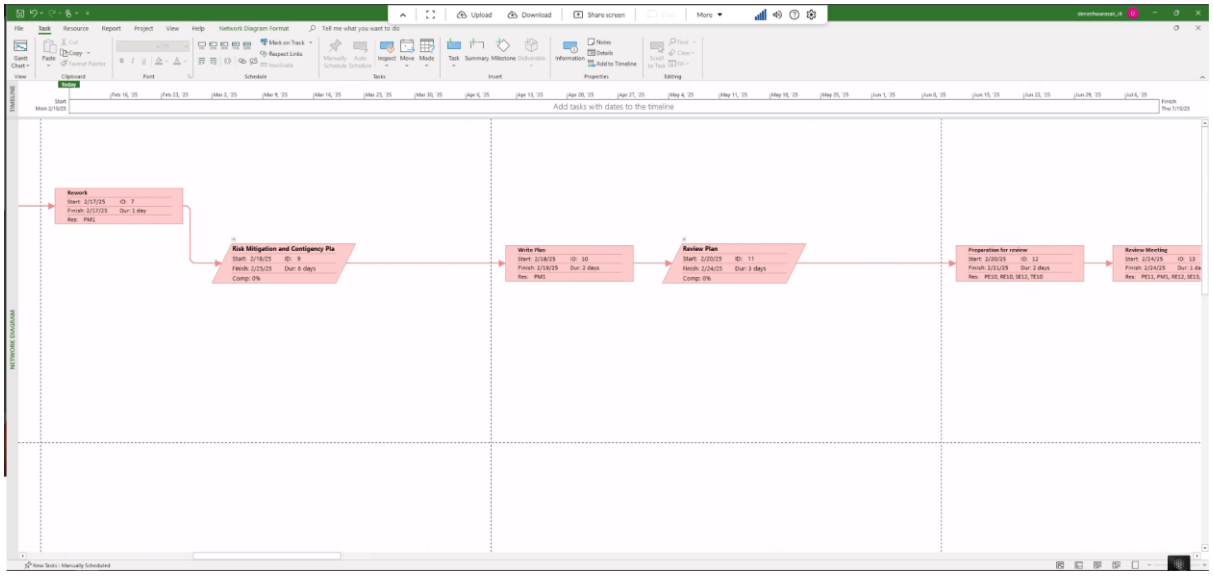
For 100% utilization:

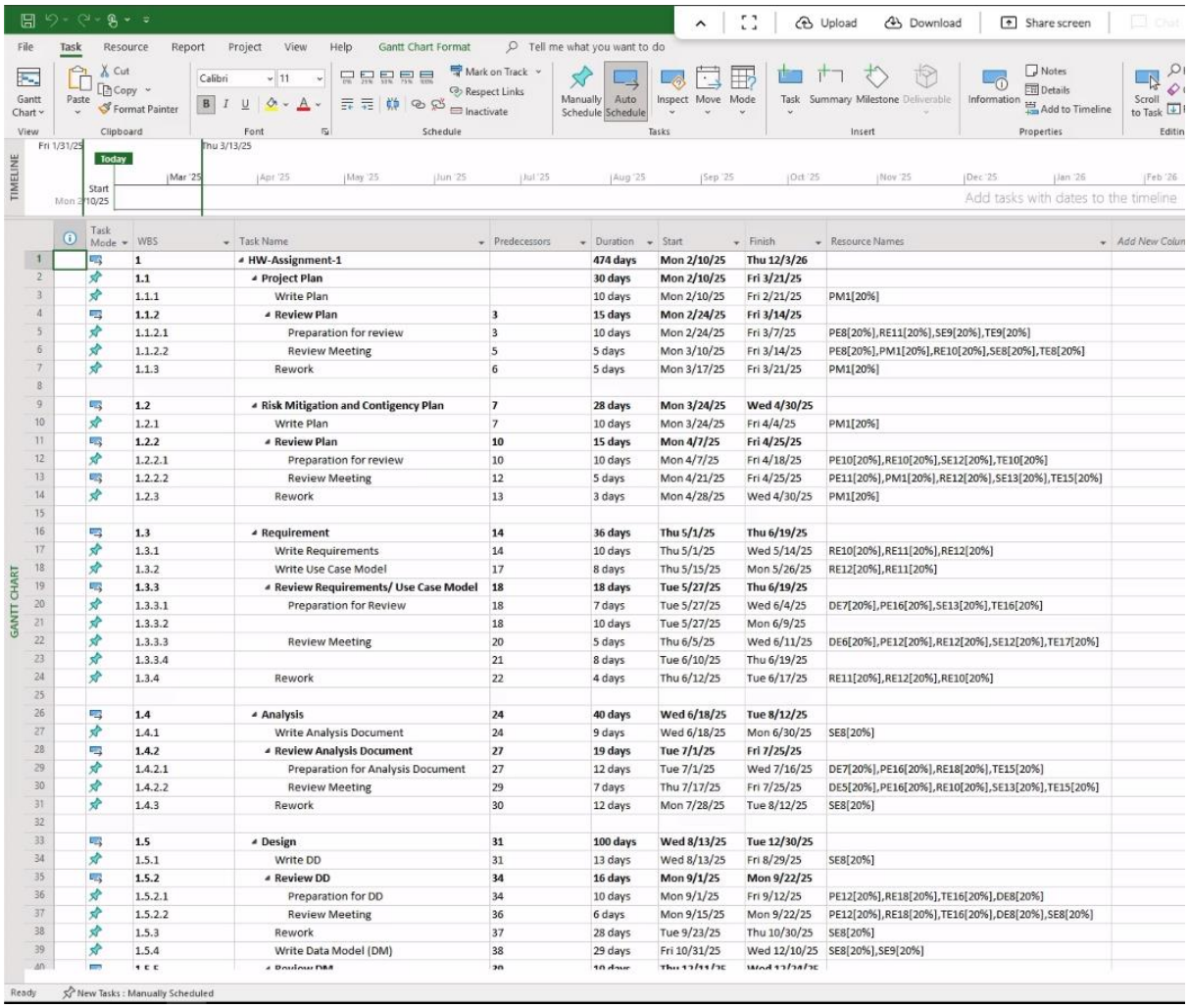


	Task Mode	WBS	Task Name	Predecessors	Duration	Start	Finish	Resource Names	Add New Column
1		**1**	**HW-Assignment-1**		**109 days**	**Mon 2/10/25**	**Thu 7/10/25**		
2		**1.1**	**Project Plan**		**6 days**	**Mon 2/10/25**	**Mon 2/17/25**		
3		1.1.1	Write Plan		2 days	Mon 2/10/25	Tue 2/11/25	PM1	
4		**1.1.2**	**Review Plan**	**3**	**3 days**	**Wed 2/12/25**	**Fri 2/14/25**		
5		1.1.2.1	Preparation for review	3	2 days	Wed 2/12/25	Thu 2/13/25	PE9,RE11,SE9,TE9	
6		1.1.2.2	Review Meeting	5	1 day	Fri 2/14/25	Fri 2/14/25	PE8,PM1,RE10,SE8,TE8	
7		1.1.3	Rework	6	1 day	Mon 2/17/25	Mon 2/17/25	PM1	
8									
9		**1.2**	**Risk Mitigation and Contigency Plan**	**7**	**6 days**	**Tue 2/18/25**	**Tue 2/25/25**		
10		1.2.1	Write Plan	7	2 days	Tue 2/18/25	Wed 2/19/25	PM1	
11		**1.2.2**	**Review Plan**	**10**	**3 days**	**Thu 2/20/25**	**Mon 2/24/25**		
12		1.2.2.1	Preparation for review	10	2 days	Thu 2/20/25	Fri 2/21/25	PE10,RE10,SE12,TE10	
13		1.2.2.2	Review Meeting	12	1 day	Mon 2/24/25	Mon 2/24/25	PE11,PM1,RE12,SE13,TE15	
14		1.2.3	Rework	13	1 day	Tue 2/25/25	Tue 2/25/25	PM1	
15									
16		**1.3**	**Requirement**	**14**	**11 days**	**Wed 2/26/25**	**Wed 3/12/25**		
17		1.3.1	Write Requirements	14	2 days	Wed 2/26/25	Thu 2/27/25	RE10,RE11,RE12	
18		1.3.2	Write Use Case Model	17	2 days	Fri 2/28/25	Mon 3/3/25	RE19,RE21	
19		**1.3.3**	**Review Requirements/ Use Case Model**	**18**	**7 days**	**Tue 3/4/25**	**Wed 3/12/25**		
20		1.3.3.1	Preparation for Review	18	2 days	Tue 3/4/25	Wed 3/5/25	DE7,PE16,SE13,TE16	
21		1.3.3.2		18	2 days	Thu 3/6/25	Fri 3/7/25		
22		1.3.3.3	Review Meeting	20	1 day	Mon 3/10/25	Mon 3/10/25	DE6,PE12,RE12,SE12,TE17	
23		1.3.3.4		21	2 days	Tue 3/11/25	Wed 3/12/25		
24		1.3.4	Rework	22	1 day	Tue 3/11/25	Tue 3/11/25	RE10,RE11,RE12	
25									
26		**1.4**	**Analysis**		**10 days**	**Fri 3/14/25**	**Thu 3/27/25**		
27		1.4.1	Write Analysis Document	24	2 days	Fri 3/14/25	Mon 3/17/25	SE8	
28		**1.4.2**	**Review Analysis Document**	**27**	**5 days**	**Wed 3/19/25**	**Tue 3/25/25**		
29		1.4.2.1	Prepare for Analysis Document	27	3 days	Tue 3/18/25	Thu 3/20/25	PE16,RE18,TE18,DE5	
30		1.4.2.2	Review Meeting	29	2 days	Fri 3/21/25	Mon 3/24/25	DE5,PE16,RE10,TE18,SE8	
31		1.4.3	Rework	30	3 days	Tue 3/25/25	Thu 3/27/25	SE8	
32									
33		**1.5**	**Design**	**31**	**22 days**	**Fri 3/28/25**	**Mon 4/28/25**		
34		1.5.1	Write DD	31	3 days	Fri 3/28/25	Tue 4/1/25	SE8	
35		**1.5.2**	**Review DD**	**34**	**4 days**	**Wed 4/2/25**	**Mon 4/7/25**		
36		1.5.2.1	Preparation for DD	34	2 days	Wed 4/2/25	Thu 4/3/25	PE12,RE18,TE16,DE14	
37		1.5.2.2	Review Meeting	36	2 days	Fri 4/4/25	Mon 4/7/25	PE12,RE18,TE16,DE14,SE8	
38		1.5.3	Rework	37	6 days	Tue 4/8/25	Tue 4/15/25	SE8	
39		1.5.4	Write Data Model (DM)	38	6 days	Wed 4/16/25	Wed 4/23/25	SE8,SE9	
40		**1.5.5**	**Review DM**	**39**	**2 days**	**Thu 4/24/25**	**Fri 4/25/25**		

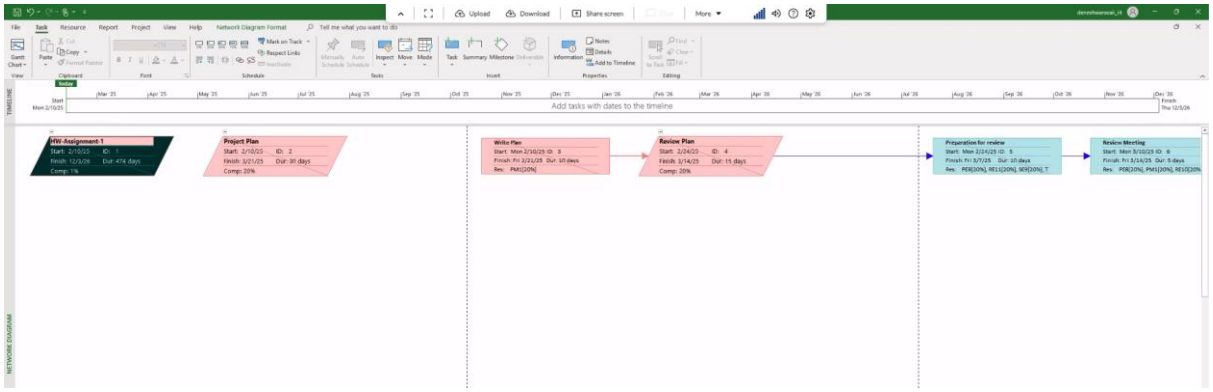




For 20% utilization:



	Task Mode	WBS	Task Name	Predecessors	Duration	Start	Finish	Resource Names
1		**1**	**HW-Assignment-1**		**474 days**	**Mon 2/10/25**	**Thu 12/3/26**	
2		**1.1**	**Project Plan**		**30 days**	**Mon 2/10/25**	**Fri 3/21/25**	
3		1.1.1	Write Plan		10 days	Mon 2/10/25	Fri 2/21/25	PM1[20%]
4		**1.1.2**	**Review Plan**	**3**	**15 days**	**Mon 2/24/25**	**Fri 3/14/25**	
5		1.1.2.1	Preparation for review	3	10 days	Mon 2/24/25	Fri 3/7/25	PE8[20%],RE11[20%],SE9[20%],TE9[20%]
6		1.1.2.2	Review Meeting	5	5 days	Mon 3/10/25	Fri 3/14/25	PE8[20%],PM1[20%],RE10[20%],SE8[20%],TE8[20%]
7		1.1.3	Rework	6	5 days	Mon 3/17/25	Fri 3/21/25	PM1[20%]
8								
9		**1.2**	**Risk Mitigation and Contigency Plan**	**7**	**28 days**	**Mon 3/24/25**	**Wed 4/30/25**	
10		1.2.1	Write Plan	7	10 days	Mon 3/24/25	Fri 4/4/25	PM1[20%]
11		**1.2.2**	**Review Plan**	**10**	**15 days**	**Mon 4/7/25**	**Fri 4/25/25**	
12		1.2.2.1	Preparation for review	10	10 days	Mon 4/7/25	Fri 4/18/25	PE10[20%],RE10[20%],SE12[20%],TE10[20%]
13		1.2.2.2	Review Meeting	12	5 days	Mon 4/21/25	Fri 4/25/25	PE11[20%],PM1[20%],RE12[20%],SE13[20%],TE15[20%]
14		1.2.3	Rework	13	3 days	Mon 4/28/25	Wed 4/30/25	PM1[20%]
15								
16		**1.3**	**Requirement**	**14**	**36 days**	**Thu 5/1/25**	**Thu 6/19/25**	
17		1.3.1	Write Requirements	14	10 days	Thu 5/1/25	Wed 5/14/25	RE10[20%],RE11[20%],RE12[20%]
18		1.3.2	Write Use Case Model	17	8 days	Thu 5/15/25	Mon 5/26/25	RE12[20%],RE11[20%]
19		**1.3.3**	**Review Requirements/ Use Case Model**	**18**	**18 days**	**Tue 5/27/25**	**Thu 6/19/25**	
20		1.3.3.1	Preparation for Review	18	7 days	Tue 5/27/25	Wed 6/4/25	DE7[20%],PE16[20%],SE13[20%],TE16[20%]
21		1.3.3.2		18	10 days	Tue 5/27/25	Mon 6/9/25	
22		1.3.3.3	Review Meeting	20	5 days	Thu 6/5/25	Wed 6/11/25	DE6[20%],PE12[20%],RE12[20%],SE12[20%],TE17[20%]
23		1.3.3.4		21	8 days	Tue 6/10/25	Thu 6/19/25	
24		1.3.4	Rework	22	4 days	Thu 6/12/25	Tue 6/17/25	RE11[20%],RE12[20%],RE10[20%]
25								
26		**1.4**	**Analysis**	**24**	**40 days**	**Wed 6/18/25**	**Tue 8/12/25**	
27		1.4.1	Write Analysis Document	24	9 days	Wed 6/18/25	Mon 6/30/25	SE8[20%]
28		**1.4.2**	**Review Analysis Document**	**27**	**19 days**	**Tue 7/1/25**	**Fri 7/25/25**	
29		1.4.2.1	Preparation for Analysis Document	27	12 days	Tue 7/1/25	Wed 7/16/25	DE7[20%],PE16[20%],RE18[20%],TE15[20%]
30		1.4.2.2	Review Meeting	29	7 days	Thu 7/17/25	Fri 7/25/25	DE5[20%],PE16[20%],RE10[20%],SE13[20%],TE15[20%]
31		1.4.3	Rework	30	12 days	Mon 7/28/25	Tue 8/12/25	SE8[20%]
32								
33		**1.5**	**Design**	**31**	**100 days**	**Wed 8/13/25**	**Tue 12/30/25**	
34		1.5.1	Write DD	31	13 days	Wed 8/13/25	Fri 8/29/25	SE8[20%]
35		**1.5.2**	**Review DD**	**34**	**16 days**	**Mon 9/1/25**	**Mon 9/22/25**	
36		1.5.2.1	Preparation for DD	34	10 days	Mon 9/1/25	Fri 9/12/25	PE12[20%],RE18[20%],TE16[20%],DE8[20%]
37		1.5.2.2	Review Meeting	36	6 days	Mon 9/15/25	Mon 9/22/25	PE12[20%],RE18[20%],TE16[20%],DE8[20%],SE8[20%]
38		1.5.3	Rework	37	28 days	Tue 9/23/25	Thu 10/30/25	SE8[20%]
39		1.5.4	Write Data Model (DM)	38	29 days	Fri 10/31/25	Wed 12/10/25	SE8[20%],SE9[20%]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Add tasks with dates to the timeline
HW-Assignment-1
Project Plan
Write Plan
Review Plan
Preparation for review
Review Meeting