CISC4002 Software Project Management
A Project Scenario

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Group Members:

Picture		
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Table of Contents :

1. Introduction of project

In this project, we simulate a real project scenario and try to solve it in professional Software Project Management way.

2. Simple Activity Network
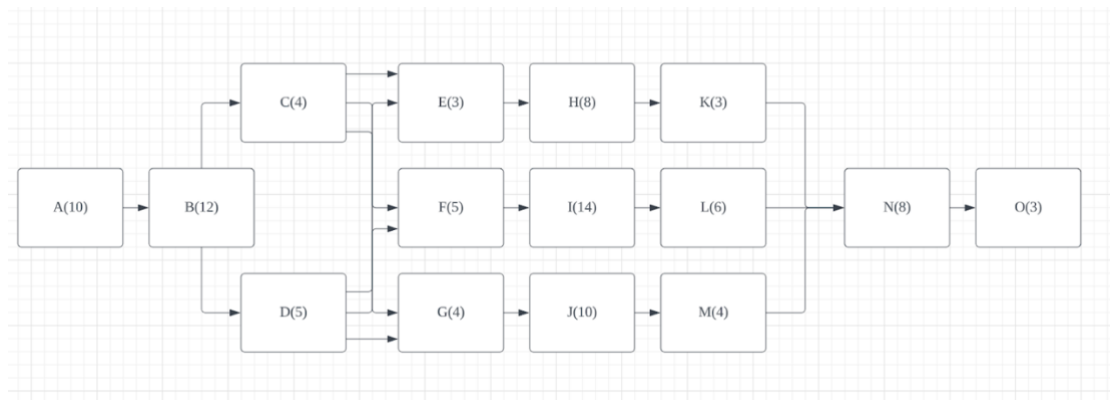
3. Activity Network with Details & Calculations
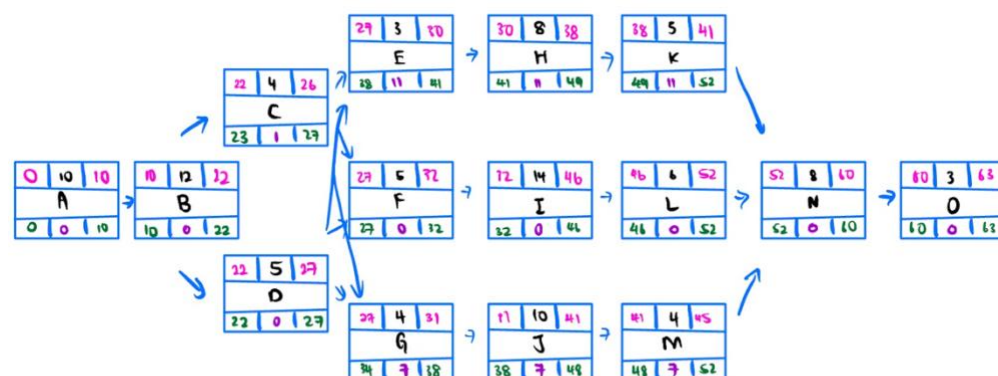
Earliest Start (ES)

Earliest Finish (EF)

Latest Start (LS)

Latest Finish (LF)

Float

	ES	EF	LS	LF	Float
A	0	10	0	10	0
B	10	22	10	22	0
C	22	26	23	27	1
D	22	27	22	27	0
E	27	30	38	41	11
F	27	32	27	32	0
G	27	31	34	38	7
H	30	38	41	49	11
I	32	46	32	46	0
J	31	41	38	48	7
K	38	41	49	52	11
L	46	52	46	52	0
M	41	45	48	52	7
N	52	60	52	60	0
O	60	63	60	63	0

4. Critical Path

The critical path: A -> B -> D -> F -> I -> L -> N -> O

The critical path will take 63 days.

5. Resource Allocation

Project resource have 1SA, 2SD, 2SC and 2ST.

(D)

days	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
SA	A	A	A	A	A	A	A	A	A	A															
SD1											B	B	B	B	B	B	B	B	B	B	B	B	C	C	C
SD2																							D	D	D
SC1																									
SC2																									
ST1																									
ST2																									

days	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50
SA																									
SD1	C		F	F	F	F	F																		
SD2	D	D	G	G	G	G	E	E	E																
SC1										I	I	I	I	I	I	I	I	I	I	I	I	I			
SC2						J	J	J	J	J	J	J	J	J	J	J	H	H	H	H	H	H	H	H	H
ST1																	M	M	M	M	L	L	L	L	L
ST2																									K

days	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75
SA																									
SD1																									
SD2																									
SC1											O	O	O												
SC2																									
ST1	L		N	N	N	N	N	N	N	N															
ST2	K	K																							

6. Changes of the projects

6.1 Extra Software Designer

(E) Extra software designer

days	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
SA	A	A	A	A	A	A	A	A	A	A															
SD1											B	B	B	B	B	B	B	B	B	B	B	B	C	C	C
SD2																							D	D	D
SD3																									
SC1																									
SC2																									
ST1																									
ST2																									

days	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50
SA																									
SD1	C		E	E	E																				
SD2	D	D	F	F	F	F	F																		
SD3			G	G	G	G																			
SC1								I	I	I	I	I	I	I	I	I	I	I	I	I	I				
SC2							J	J	J	J	J	J	J	J	J	J	H	H	H	H	H	H	H	H	
ST1																						L	L	L	L
ST2																	M	M	M	M					K

days	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75
SA																									
SD1																									
SD2																									
SD3																									
SC1											O	O	O												
SC2																									
ST1	L	L	N	N	N	N	N	N	N	N															
ST2	K	K																							

6.2 Extra Software Coder

(E) Extra software code

days	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
SA	A	A	A	A	A	A	A	A	A	A															
SD1											B	B	B	B	B	B	B	B	B	B	B	B	C	C	C
SD2																							D	D	D
SC1																									
SC2																									
SC3																									
ST1																									
ST2																									

days	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50
SA																									
SD1	C		F	F	F	F	F																		
SD2	D	D	G	G	G	G	E	E	E																
SC1							J	J	J	J	J	J	J	J	J	J									
SC2									I	I	I	I	I	I	I	I	I	I	I	I	I	I	I		
SC3											H	H	H	H	H	H	H	H	H						
ST1																		M	M	M	M	L	L	L	L
ST2																		K	K	K					

days	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75
SA																									
SD1																									
SD2																									
SC1											O	O	O												
SC2																									
SC3																									
ST1	L	L	N	N	N	N	N	N	N	N															
ST2																									

6.3 Extra Software Design & Software Coder

(E) Extra software code and designer

days	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
SA	A	A	A	A	A	A	A	A	A	A															
SD1											B	B	B	B	B	B	B	B	B	B	B	B	C	C	C
SD2																							D	D	D
SD3																									
SC1																									
SC2																									
SC3																									
ST1																									
ST2																									

days	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50
SA																									
SD1	C		E	E	E																				
SD2	D	D	F	F	F	F	F																		
SD3			G	G	G	G																			
SC1							H	H	H	H	H	H	H	H											
SC2									I	I	I	I	I	I	I	I	I	I	I	I	I	I	I		
SC3							J	J	J	J	J	J	J	J	J	J									
ST1															K	K	K					L	L	L	L
ST2																		M	M	M	M				

| days	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75
SA																									
SD1																									
SD2																									
SD3																									
SC1											O	O	O												
SC2																									
SC3																									
ST1	L	L	N	N	N	N	N	N	N	N															
ST2																									

Changes to the project: no change on the estimated day to finish the project since the critical path is the same. (The project didn't get optimised)

7. Gantt Chart, Activity Network, Report by project libre (Clearer images please refer to reference folder)

7.1 Gantt Chart (file name : Gantt Chart.pdf)
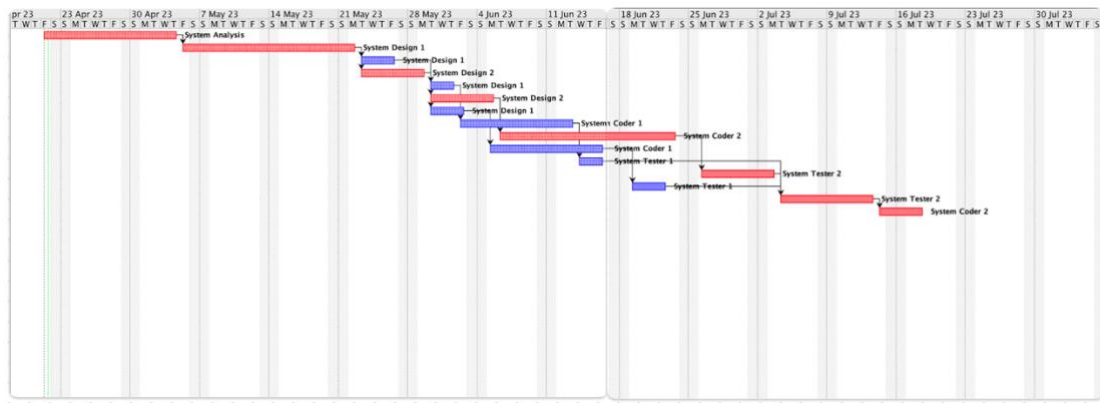
7.2 Activity Network (file name : Activity Network.pdf)
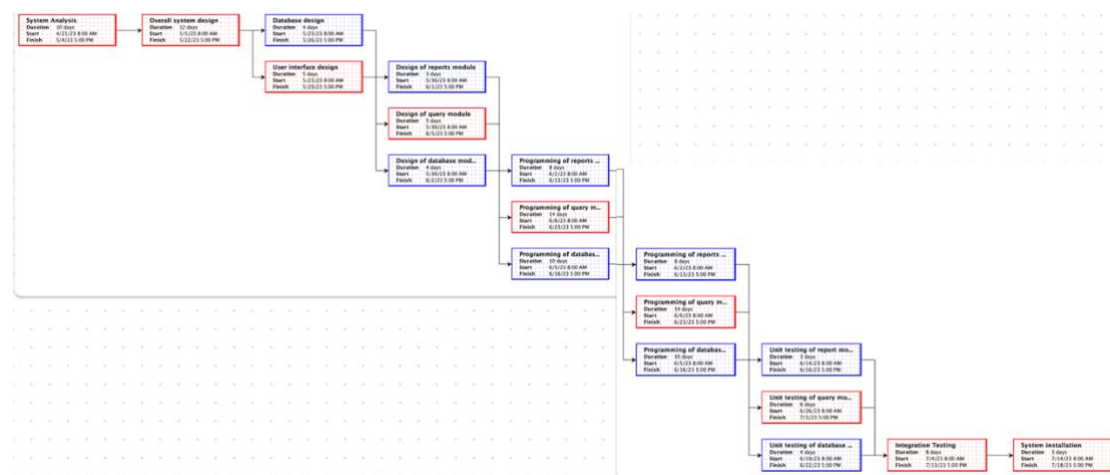
7.3 Report (file name : report.pdf)

CISC4002 project

Dates			
Start	4/21/23 8:00 AM	Finish	7/18/23 5:00 PM
Baseline Start		Baseline Finish	
Actual Start		Actual Finish	

Duration			
Scheduled	63 days	Remaining	63 days
Baseline	0 days	Actual	0 days
		Percent Complete	0%

Work			
Scheduled	792 hours	Remaining	792 hours
Baseline	0 hours	Actual	0 hours

Costs			
Scheduled	MYR87200.00	Remaining	MYR87200.00
Baseline	MYR0.00	Actual	MYR0.00
		Variance	MYR0.00

Notes

8. Conclusion

In this project, we analyzed a project scenario with Sotfware Project Management knowledge learned in this course. Also, we use "Project Libre" software to visualize and concrete the project scenario.