Assignment 8th

Consider a software project with 5 tasks t1, t2 duration of 5 tasks in weeks are 15,10,12,25,10 respectively. t1 & t4 can start when t1 is complete, t3 can start when t2 is complete, t5 can start when t3 & t4 are complete.

Show the network diagram, Critical path, early Finish, late Finish & slack time for each time.

Gantt chart:

	Task Name	Duration	Start	Finish	Start Slack	Late Finish	Early Finish	Predecessors
1	□ project	250 days	Mon 24-10-16	Fri 06-10-17	0 days	Fri 06-10-17	Fri 06-10-17	
2	t1	15 wks	Mon 24-10-16	Fri 03-02-17	0 wks	Fri 03-02-17	Fri 03-02-17	
3	t2	10 wks	Mon 06-02-17	Fri 14-04-17	3 wks	Fri 05-05-17	Fri 14-04-17	2
4	t3	12 wks	Mon 17-04-17	Fri 07-07-17	3 wks	Fri 28-07-17	Fri 07-07-17	3
5	t4	25 wks	Mon 06-02-17	Fri 28-07-17	0 wks	Fri 28-07-17	Fri 28-07-17	2
6	t5	10 wks	Mon 31-07-17	Fri 06-10-17	0 wks	Fri 06-10-17	Fri 06-10-17	4,5
Oct '16 02 09 16 2		ec '16 Jan ' 04 11 18 25 01 0		Mar '17 Apr '17 6 05 12 19 26 02 09 1	May '17 6 23 30 07 14 21	Jun '17 Jul '1 28 04 11 18 25 02 0		Sep '17 Oct '1 0 27 03 10 17 24 01 08
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Network diagram:



Critical path:

ID 2: t1

ID 5: t4

ID 6: t5

Early finish, Late Finish:

Task Name	Duration	Start	Finish	Start Slack	Late Finish	Early Finish
- project	250 days	Mon 24-10-16	Fri 06-10-17	0 days	Fri 06-10-17	Fri 06-10-17
t1	15 wks	Mon 24-10-16	Fri 03-02-17	0 wks	Fri 03-02-17	Fri 03-02-17
t2	10 wks	Mon 06-02-17	Fri 14-04-17	3 wks	Fri 05-05-17	Fri 14-04-17
t3	12 wks	Mon 17-04-17	Fri 07-07-17	3 wks	Fri 28-07-17	Fri 07-07-17
t4	25 wks	Mon 06-02-17	Fri 28-07-17	0 wks	Fri 28-07-17	Fri 28-07-17
t5	10 wks	Mon 31-07-17	Fri 06-10-17	0 wks	Fri 06-10-17	Fri 06-10-17

Slack time:

t1: 0 week

t2: 3 weeks

t3: 3 weeks

t4: 0 week

t5: 0 week

<u>Conclusion:</u> By using MS Project software we can easily create Gantt chart of particular software; we can also calculate critical path using MS Project.