6.2.1 Schedule Management Plan:
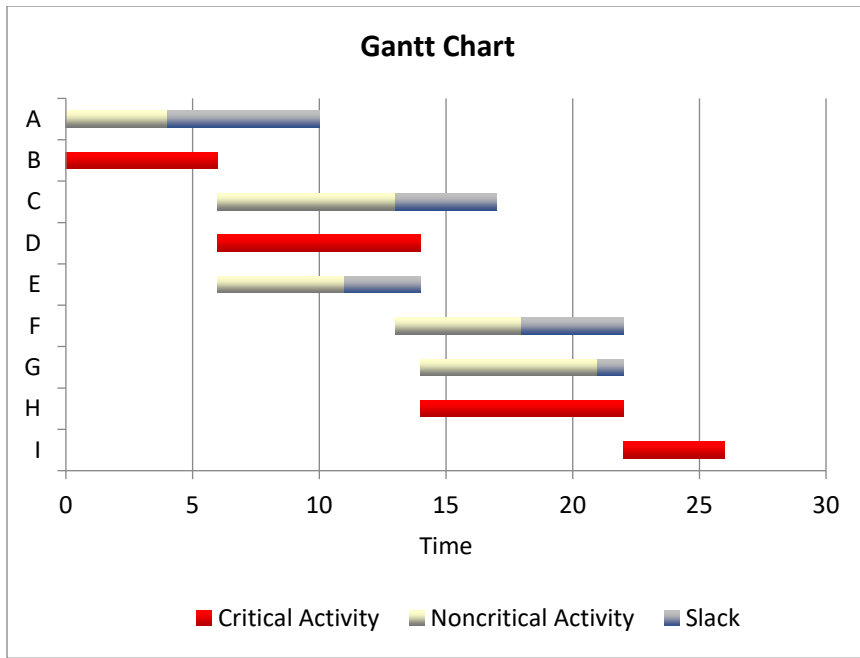
The schedule management plan is a component of the project management plan. There different items that can be used to establish activities in developing the project schedule. The one area that I wanted to focus on was the *rules of performance measure*. The Gantt chart for example can show % of work complete, earned value measure techniques can show the value of the project at certain points of completions (PMI, 2013).

This homework assignment (PMGT 613) shows various activities. It also shows what activities are along the critical path. The Gantt Chart is used to show what activities are completed at specific time intervals. These performance tools that make up the schedule management plan shows the normal time to complete and the earliest possible finish. It also shows what activites can be crashed and at what cost.

Activity	Time	Pred 1	Pred 2	Pred 3
A	4 Weeks			
B	6 Weeks			
C	7 Weeks	A	B	
D	8 Weeks	B		
E	5 Weeks	B		
F	5 Weeks	C		
G	7 Weeks	D		
H	8 Weeks	D	E	
I	4 Weeks	F	G	H

Results					
Activity	Early Start	Early Finish	Late Start	Late Finish	Slack
A	0	4	6	10	6
B	0	6	0	6	0
C	6	13	10	17	4
D	6	14	6	14	0
E	6	11	9	14	3
F	13	18	17	22	4
G	14	21	15	22	1
H	14	22	14	22	0
I	22	26	22	26	0
Project	26				

Gantt Chart

Critical Path: B-D-H-I

Results

Data			Normal time	23					Minimum crash cost to meet project goal		-$76,000	
Project goal weeks	14		Minimum time	10					Project time		14	

Immediate Predecessors (1 per column) — Intermediate Computations

Activity	Normal Time (weeks)	Crash Time (weeks)	Normal Cost	Total Cost with Crashing	Immediate Predecessor(s)	Pred 2	Pred 3	Crash days	Crash cost/day	Crash limit
A	4	1	8000	1500				3	-$2,167	3
B	6	2	12000	3000				4	-$2,250	4
C	7	3	14000	6000	A	B		4	-$2,000	4
D	8	4	19000	12000	B			4	-$1,750	4
E	5	2	13000	2000	B			3	-$3,667	3
F	5	3	9000	1500	C			2	-$3,750	2
G	7	2	16500	4000	D			5	-$2,500	5
H	8	4	22000	12000	D	E		4	-$2,500	4
I	4	2	5500	1000	F	G	H	2	-$2,250	2

Part B: