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DEPT - CSE1 ROLL - 37

SUB - Software Engineering Lab (ESC-592)

ASSIGNMENT - 6C

Consider the following project (with human resources) and find critical path and also show the Gantt chart. Find total cost of project and if the company wants to get 30% profit, then I also find total cost of project.

Activity	Duration (in Days)			te. (in days) ($t_o + 4t_m + t_p$)/6
	t_o	t_m	t_p	
A	3	6	9	6
B	2	5	8	5
C	2	4	6	4
D	2	3	10	4
E	1	3	11	4
F	4	6	8	6
G	1	5	15	6

According to Gantt chart - critical path is -

A → C → F.

Cost of project

Name of Resource	total working hours	Cost of resource
R ₁	48	₹ 96,000
R ₂	40	₹ 1,60,000
R ₃	32	₹ 1,92,000
R ₄	32	₹ 2,56,000
R ₅	32	₹ 1,28,000
R ₆	48	₹ 2,88,000
R ₇	48	₹ 96,000

Total cost of project -

~~₹ 4,16,000~~

₹ 12,16,000

∴ Total cost of project = ₹ 12,16,000

• For the company to get 30% profit,
the total cost of project -

= actual cost of project - + 30% of actual
cost of project

$$= 12,16,000 + \frac{30}{100} \times 12,16,000$$

$$= 12,16,000 + 3,64,800$$

$$= ₹ 15,80,800$$

Signature _____

File

Task

Resource

View



Network

Zoom In

WBS

Zoom Out

Gantt

Task Usage



Copy



Cut

Paste

Clipboard



Insert



Delete



Indent



Outdent



Link



Unlink

Information

Calendar

Notes

Assign Resources

Save Baseline

Clear Baseline



Find



Scroll To Task

Update

Task

	Name	Duration	Start	Finish	Predecessors
1	A	6 days	10/11/21 8:00 AM	17/11/21 5:00 PM	R1
2	B	5 days	10/11/21 8:00 AM	16/11/21 5:00 PM	R2
3	C	4 days	18/11/21 8:00 AM	23/11/21 5:00 PM	1
4	D	4 days	17/11/21 8:00 AM	22/11/21 5:00 PM	2
5	E	4 days	17/11/21 8:00 AM	22/11/21 5:00 PM	2
6	F	6 days	24/11/21 8:00 AM	1/12/21 5:00 PM	3,4
7	G	6 days	23/11/21 8:00 AM	30/11/21 5:00 PM	5

