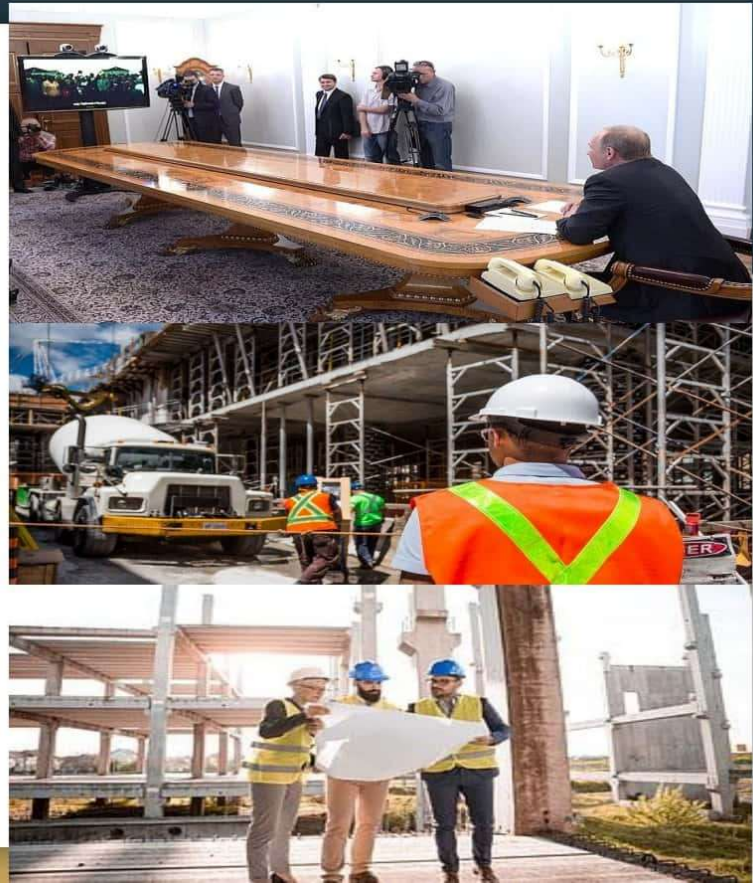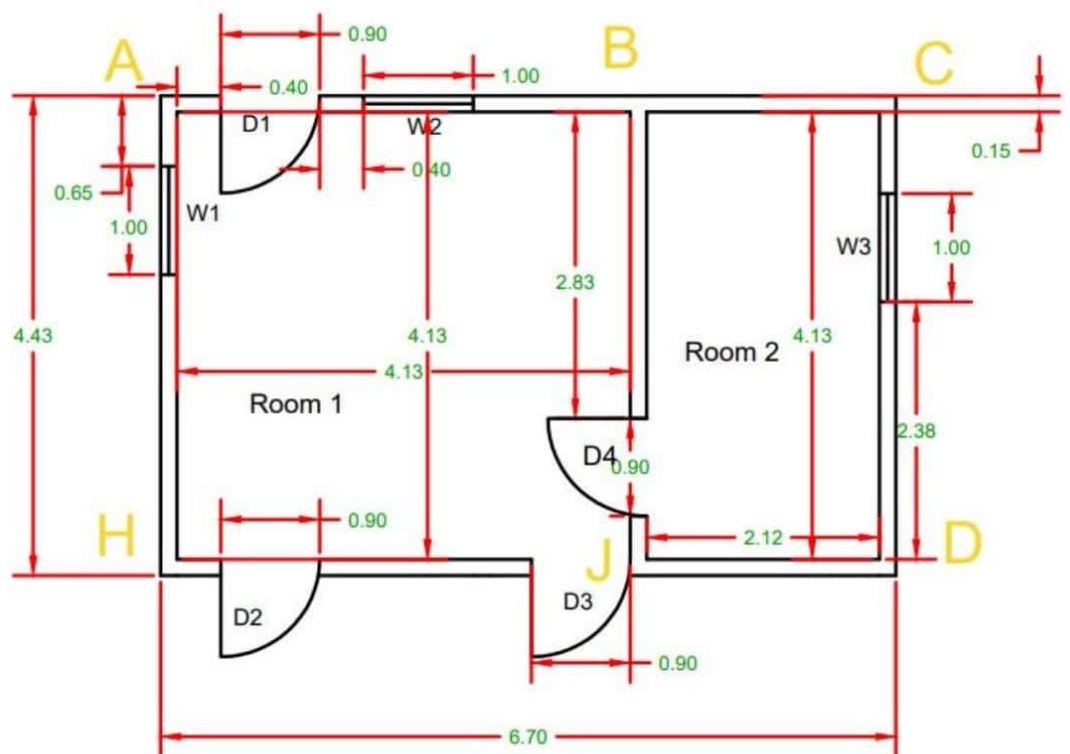# Pr⚙ject

MANAGEMENT

❖ Imagine you are a project manager and you need to complete the given project using minimum cost and time.(PLAN will be given)

All the Dimensions are in 'meter'

Height of all the walls are 3m.
Height of Door is 1.8m.
Height of window is 1.2m.

❖ You need to choose different workers according to their categories given with their capabilities.

❖ Choose any two types of labour per day.You have to calculate only walls(no bottom slab or roof).

Labour type	Area	Time	Wages
Labour A	4 sq.m	8 hrs	800Rs per 8hrs
Labour B	7 sq.m	12 hrs	1000Rs per 12hrs
Labour C	5 sq.m	2 hrs	600Rs per 2hrs

❖ NOTE: In wall construction, consider its area (length x height) also wall thickness is constant throughout the structure.

❖ Choose one type of carpenter per day (Dimensions of all doors and all windows is same respectively)

| Carpenter A | 2 doors in 2 hrs | 4 windows in 6 hrs | 150 Rs per hour |
| Carpenter B | 6 doors in 4 hrs | 8 windows in 6 hrs | 200 Rs per hour |

❖ Choose any two painters per day (only on walls)

Painter type	Area per time	wages
Painter A	55 sq.m in 4 hrs	500 Rs per 4hrs
Painter B	40 sq.m in 3 hrs	400 Rs per 3hrs
Painter C	30 sq.m in 6 hrs	300 Rs per 6hrs

❖ For flooring you can choose any one among them.

Tile A:	1 sq.m is 40 Rs	Labour:	26 sq.m in 3 hrs for 400 Rs
Tile B:	1 sq.m is 85 Rs	Labour:	22 sq.m in 2 hrs for 250 Rs

Note: If tile B is selected, it will add value to your field.

❖ Per day site hours are 8 hrs

❖ Judging criteria are time and cost

Example Format for Writing Answers

For wall Calculation:
For tiles Calculation:
For Paint:
For Carpentry:
Final Chart:

Sr No.	Total Days(hrs)	Cost(Rs)
Wall		
Tiles		
Paint		
Carpentry		

Total Project Cost(in Rs):

Total Time of Completion of Project
(in hrs) :

NOTE: You can solve using other ways too but if your written solution is not understandable it is considered as invalid.

Points Distribution

- Cost
- Time of completing the project
- Time of submission
- Your score will be calculated by the given formula:

100000 - (Construction time in hrs)*500 - Cost - (Time for submission in minutes)*300 + 1000(If choosen Tile B) = YOUR SCORE

- ❖ Choose your choices wisely.
- ❖ Write the solution and make a pdf of it.
- ❖ We'll receive your answers through Mail.
- ❖ The one who calculates the answers efficiently and first will be the winner.
- ❖ The winner will be awarded with prize money.
- ❖ This is a single round event.
- ❖ For any kind of Network issue we are not responsible.

ALL THE BEST

By
Dhruvi
Supriya
Madhavy