NAME - SK ASIF ALI

DEPT - CSE-1 ROLL - 37

SUBJECT - SOFTWARE ENGINEERING LAB (ESC-591)

ASSIGNMENT - 4A (Project Management)

1.

Name of tasks	Duration	Task dependency	Resources	Standard cost-rate
T1	Today + 1	Independent	R1, M1	R1: 500$/hr
T2	Today + 3	T1	R2, M2	R2: 600$/hr
T3	Today + 9	T1	R2, M2	M1: 150$/hr
T4	Today + 14	T2	R2, M2	M2: 100$/hr

{ Human Resource : R1, R2 }
{ Material : M1, M2 }

1. Insert out recurrent task (with duration 1day) before the commencement of T4 and after the end of T4.

2. Show skeleting dates of T1, T2, T3, T4.

3. Show the overall cost of the project in tabular format.

4. Show the daily working hours for R1, R2, M1, M2 with respect to their assigned tasks.

5. Draw the gantt chart of the project.

2) Show the overall cost of the project in tabular format.

ans.

Cost of project.

Name of resource	Total working hours	cost for resource (in $)
R_1	$2 \times 8 = 16$	$16 \times 500 = 8000$
R_2	$29 \times 8 = 232$	$232 \times 600 = 1,39,200$
M_1	$2 \times 8 = 16$	$16 \times 150 = 2,400$
M_2	$29 \times 8 = 232$	$232 \times 100 = 2,3200$

Total project cost $= 8,000 + 1,39,200 +$

$2,400 + 2,32,00$

$= 1,72,800$

Ans.) total project cost is $ 1,72,800.

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SOB - Software engineering Lab (ESC-591)

ASSIGNMENT - 4 B (Black Box Testing).

2. Write Black Box testing plan for the password given by user with respect to following Characteristics :—

i) Length of password will be greater than 8.

ii) password MUST INCLUDE at least one uppercase alphabet.

iii) password must include at least one lowercase alphabet.

iv) password must include at least one numeric digit.

v) password must include at least one special symbol.

vi) password must start with 'c'.

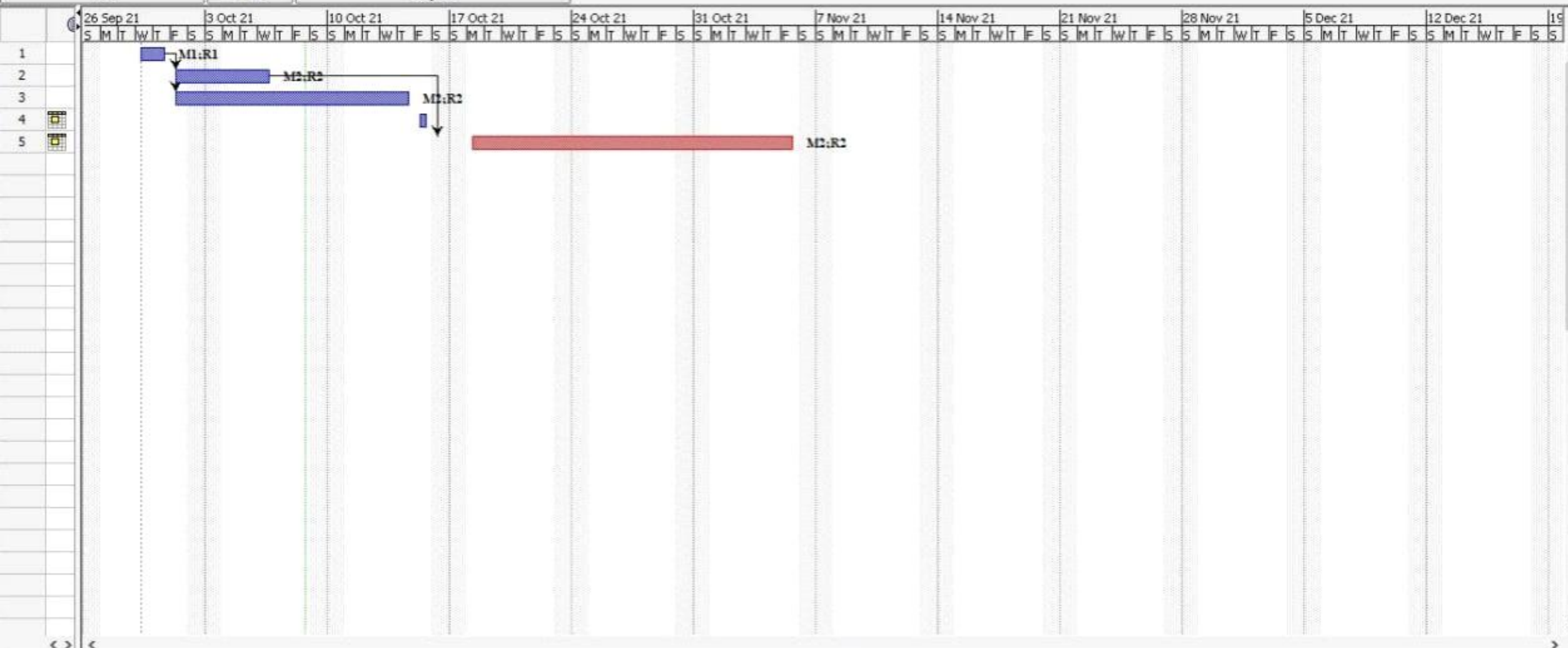| SLNO.	Example of a test case	Valid/ Invalid	Expected output.
1	Cab @ 2021	valid	Accepted
2	Software @222	Invalid	Enter a password according to given format
3	Asif 37 Ali	Invalid	Enter a password according to given format
4	CSK 2013	Invalid	Enter a password according to given format
5	CAsif @0301	valid	accepted
6	CBI @20	Invalid	Enter a password according to given format.
7	Reo 10	Invalid	Enter a password according to given format

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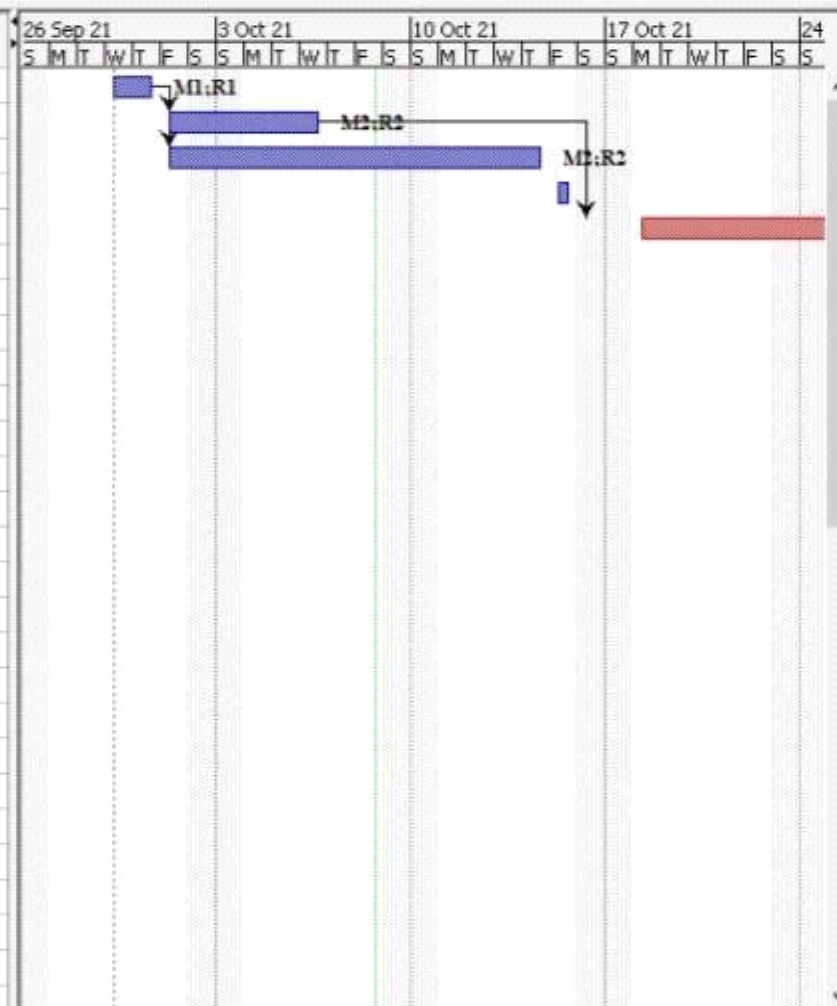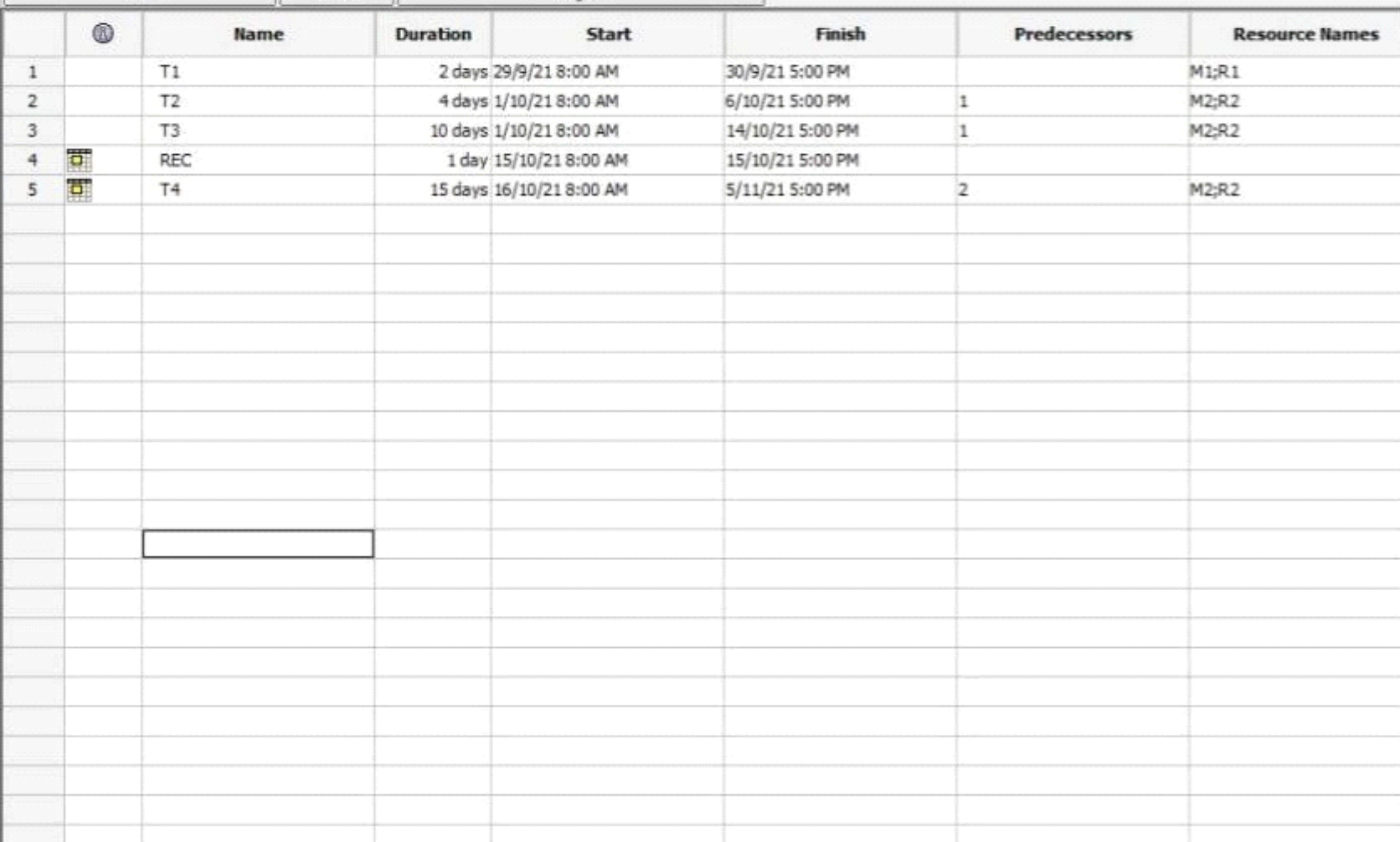
File   Task   Resource   View

File
Open   Close   Print   Information   Save Baseline
New   Preview   Calendar   Clear Baseline
Save   Save as   PDF   Projects Dialog   Update
Save
Projects

File   Print   Project

	ⓘ	Name	Duration	Start	Finish	Predecessors	Resource Names
1		T1	2 days	29/9/21 8:00 AM	30/9/21 5:00 PM		M1;R1
2		T2	4 days	1/10/21 8:00 AM	6/10/21 5:00 PM	1	M2;R2
3		T3	10 days	1/10/21 8:00 AM	14/10/21 5:00 PM	1	M2;R2
4	🗓	REC	1 day	15/10/21 8:00 AM	15/10/21 5:00 PM		
5	🗓	T4	15 days	16/10/21 8:00 AM	5/11/21 5:00 PM	2	M2;R2

Gantt chart timeline:
26 Sep 21 | 3 Oct 21 | 10 Oct 21 | 17 Oct 21 | 24
- T1: M1;R1
- T2: M2;R2
- T3: M2;R2
- REC
- T4: (red bar)

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File　Task　Resource　View

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Resources | RBS　Zoom Out | Resource Usage | Zoom In | Paste | Copy　Cut | Insert　Delete | Indent　Outdent | Information　Calendar　Notes | Find

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	⊕	Name	Duration	Start

Timeline: 26 Sep 21 | 3 Oct 21 | 10 Oct 21

	Name	Work	Work Contour		26 Sep 21 S	M	T	W	T	F	S	3 Oct 21 S	M	T	W	T	F	S	10 Oct 21 S	M	T	W
1	R1	16 hours		Work	0h	0h	0h	8h	8h	0h	0h	0h	0h	0h	0h	0h	0h	0h	0h	0h	0h	0h
	T1	16 hours	Flat	Work				8h	8h													
2	R2	232 hours		Work	0h	0h	0h	0h	0h	16h	0h	0h	16h	16h	16h	16h	16h	0h	0h	16h	16h
	T3	80 hours	Flat	Work						8h	0h	0h	8h	8h	8h	8h	8h	0h	0h	8h	8h
	T2	32 hours	Flat	Work						8h	0h	0h	8h	8h	8h						
	T4	120 hours	Flat	Work												8h	8h	0h	0h	8h	8h
3	M1	0 hours		Work	0h	0h	0h	0h	0h	0h	0h	0h	0h	0h	0h	0h	0h	0h	0h	0h	0h
	T1	1	Flat	Work				0	0												
4	M2	0 hours		Work	0h	0h	0h	0h	0h	0h	0h	0h	0h	0h	0h	0h	0h	0h	0h	0h	0h
	T4	1	Flat	Work												0	0	0	0	0	0
	T3	1	Flat	Work						0	0	0	0	0	0	0	0	0	0	0	0
	T2	1	Flat	Work						0	0	0	0	0	0						