NAME : SHUBHENDU NATH

ROLL : 56

DEPT : CSE-1

SUBJECT : SOFTWARE ENGINEERING

SUBJECT CODE : ESC591

9) A. Consider the following table

Task Name	Duration	Dependency	Resources
T_1	3	-	R_1, R_2
T_2	5	T_1 (FS)	R_1
T_3	9	T_2 (SS)	R_3
T_4	6	T_2 (FS)	R_4
T_5	5	T_3 (FS), T_4 (FS)	R_2, R_5
T_6	4	T_5 (SS)	R_5
T_7	8	T_3 (FS), T_6 (FS)	R_5

Standard rates of resources are R_1 = $10/hr, R_2 = $15/hr, R_3 = $20/hr and R_4, R_5 = $25/hr

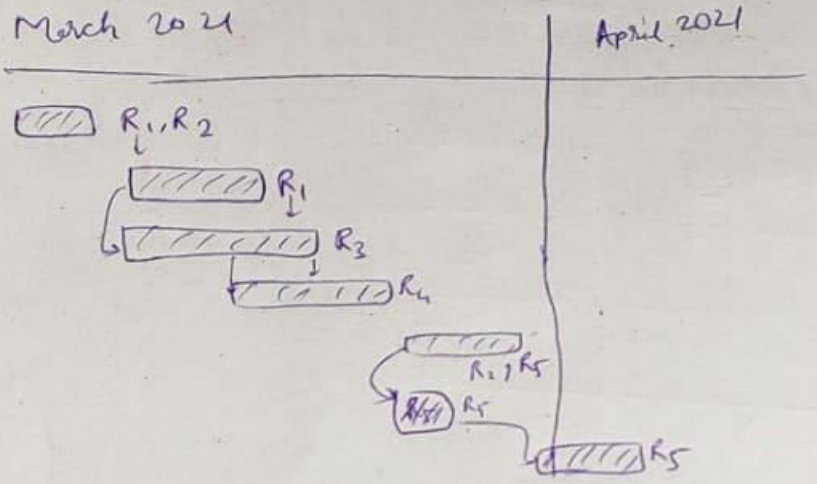
Calculate the usage of resources (in hours) with assigned tasks and determine manufacturing cost of the life project and market price to achieve 10% profit

ENTRY TABLE

GANTT CHART :

	Task Name	Duration	Start	Finish	Predecessors	Resource
1	T_1	3 days	Wed 03/03/21	Fri 05/03/21		R_1, R_2
2	T_2	5 day	Mon 08/03/21	Fri 12/03/21	1	R_1
3	T_3	9 days	Mon 08/03/21	Thu 15/03/21	2SS	R_3
4	T_4	6 days	Mon 15/03/21	Mon 22/03/21	2	R_4
5	T_5	5 days	Tue 23/03/21	Mon 29/03/21	3, 4	R_2, R_5
6	T_6	4 days	Tue 23/03/21	Fri 26/03/21	5SS	R_5
7	T_7	8 days	Tue 30/03/21	Thu 08/04/21	5, 6	R_5

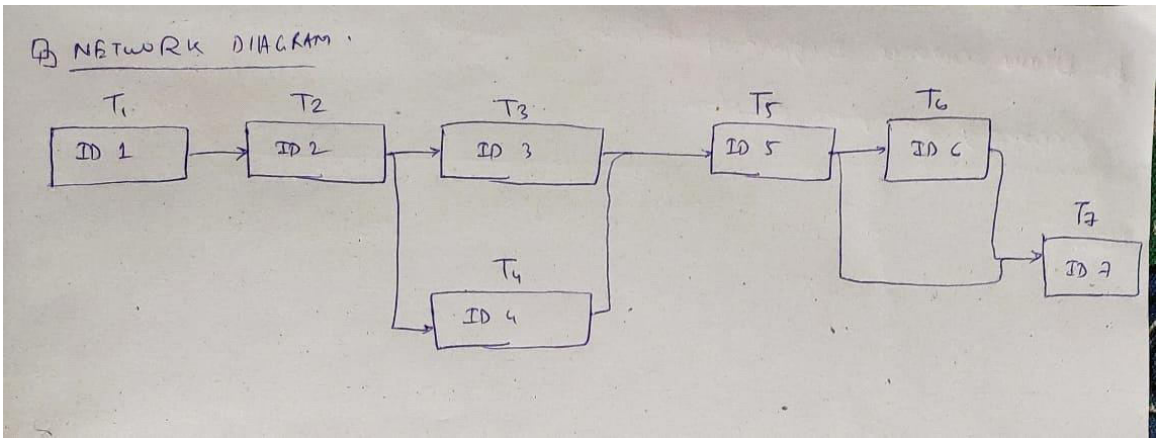
GANTT CHART :



Resource usage :

	Resource Name	Cost
1	R_1	$ 640.00
	T_1	$ 240.00
	T_2	$ 400.00
2	R_2	$ 960.00
	T_1	$ 360.00
	T_5	$ 600.00
3	R_3	$ 1440.00
	T_3	$ 1440.00
4	R_4	$ 1200.00
	T_4	$ 1200.00
5	R_5	$ 3,400.00
	T_5	$ 1000.00
	T_6	$ 500.00

NETWORK DIAGRAM:

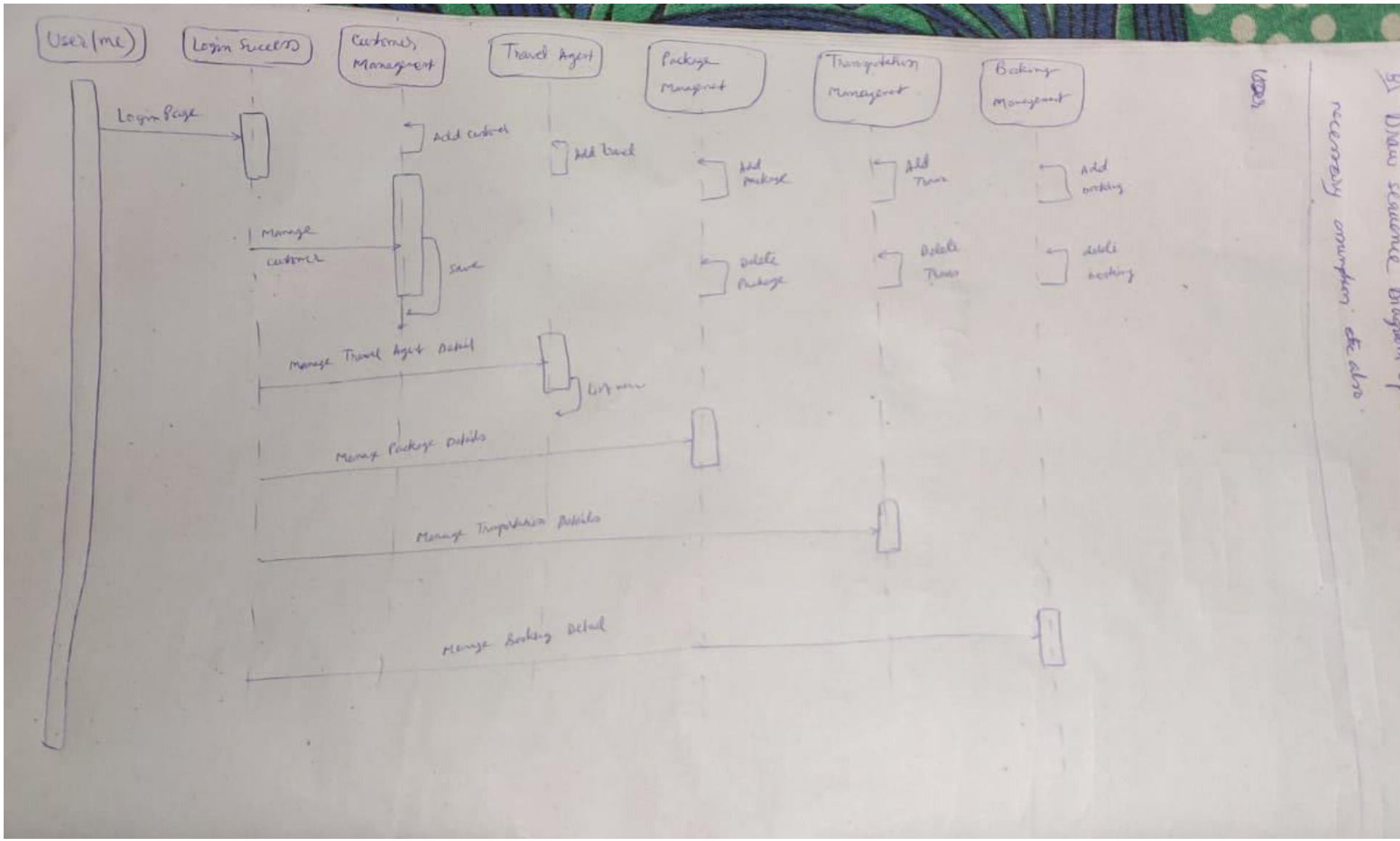


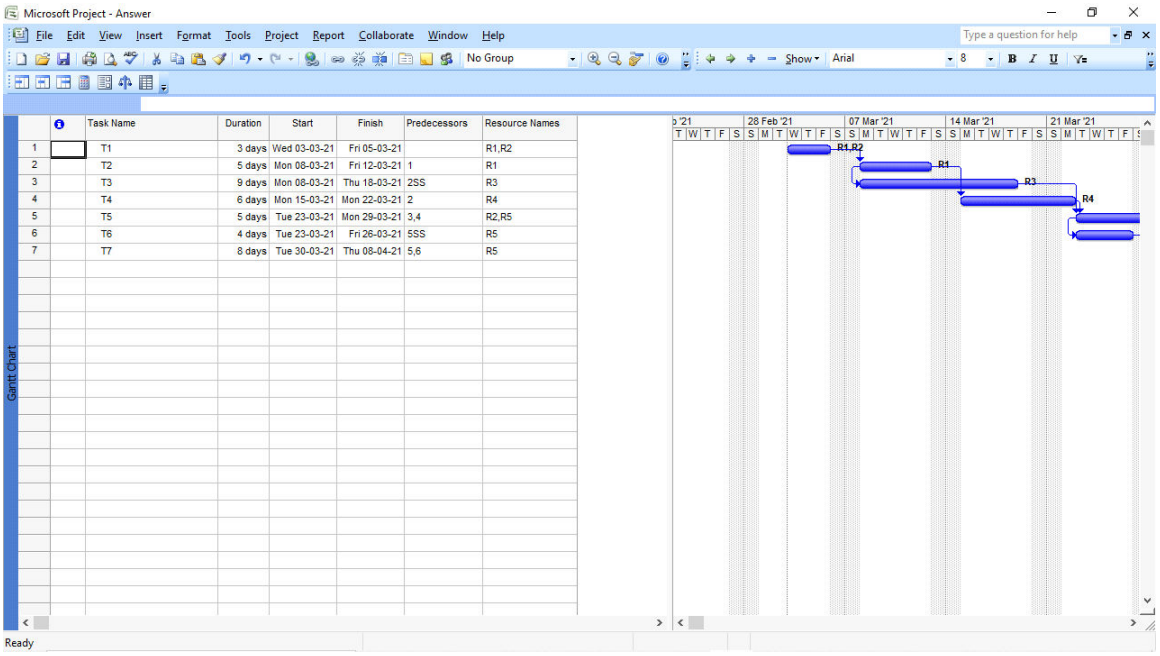
∴ Calculating market price

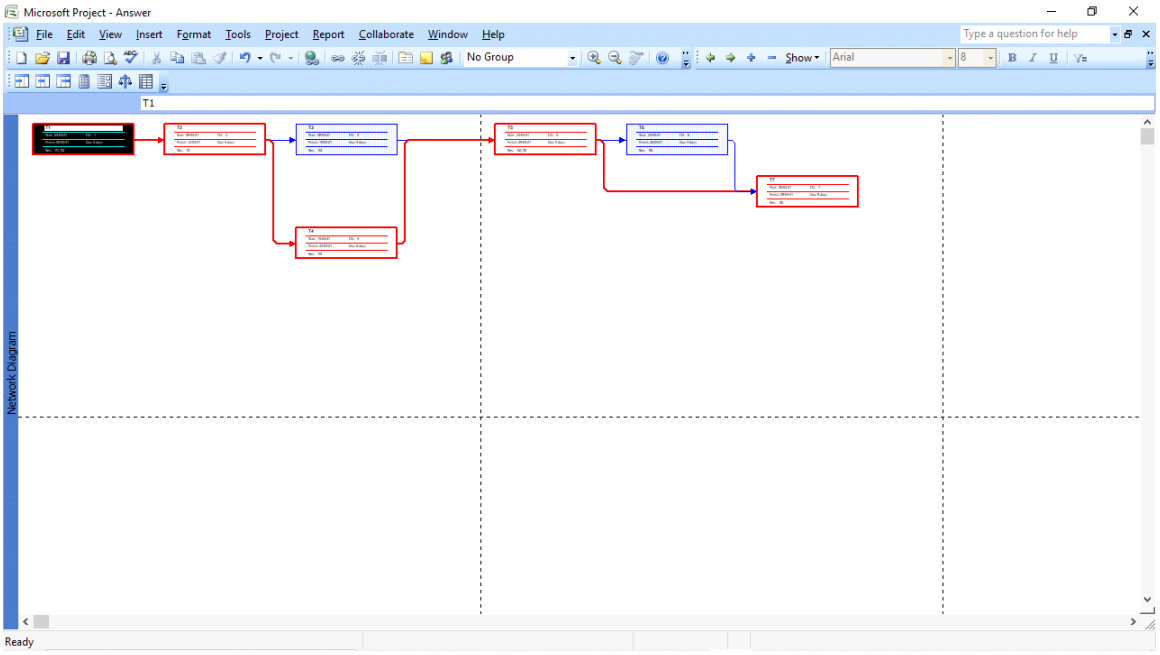
$= (640 + 960 + 1440 + 1200 + 3400) \times 110\%$

$= 7640 \times \frac{110}{100}$

$= 8404\ \$$


User(ml)
Login Success
Customer Management
Travel Agent
Package Management
Transportation Management
Booking Management
Login Page
Add customer
Add travel
Add package
Add Trans
Add booking
Manage customer
save
Delete Package
Delete Trans
delete booking
Manage Travel Agent Detail
Manage Package Details
Manage Transportation Details
Manage Booking Detail


Microsoft Project - Answer
File Edit View Insert Format Tools Project Report Collaborate Window Help
Type a question for help
No Group
Show
Arial
Gantt Chart
Task Name
Duration
Start
Finish
Predecessors
Resource Names
1 T1 3 days Wed 03-03-21 Fri 05-03-21 R1,R2
2 T2 5 days Mon 08-03-21 Fri 12-03-21 1 R1
3 T3 9 days Mon 08-03-21 Thu 18-03-21 2SS R3
4 T4 6 days Mon 15-03-21 Mon 22-03-21 2 R4
5 T5 5 days Tue 23-03-21 Mon 29-03-21 3,4 R2,R5
6 T6 4 days Tue 23-03-21 Fri 26-03-21 5SS R5
7 T7 8 days Tue 30-03-21 Thu 08-04-21 5,6 R5
28 Feb '21
07 Mar '21
14 Mar '21
21 Mar '21
R1,R2
R1
R3
R4
Ready


Microsoft Project - Answer
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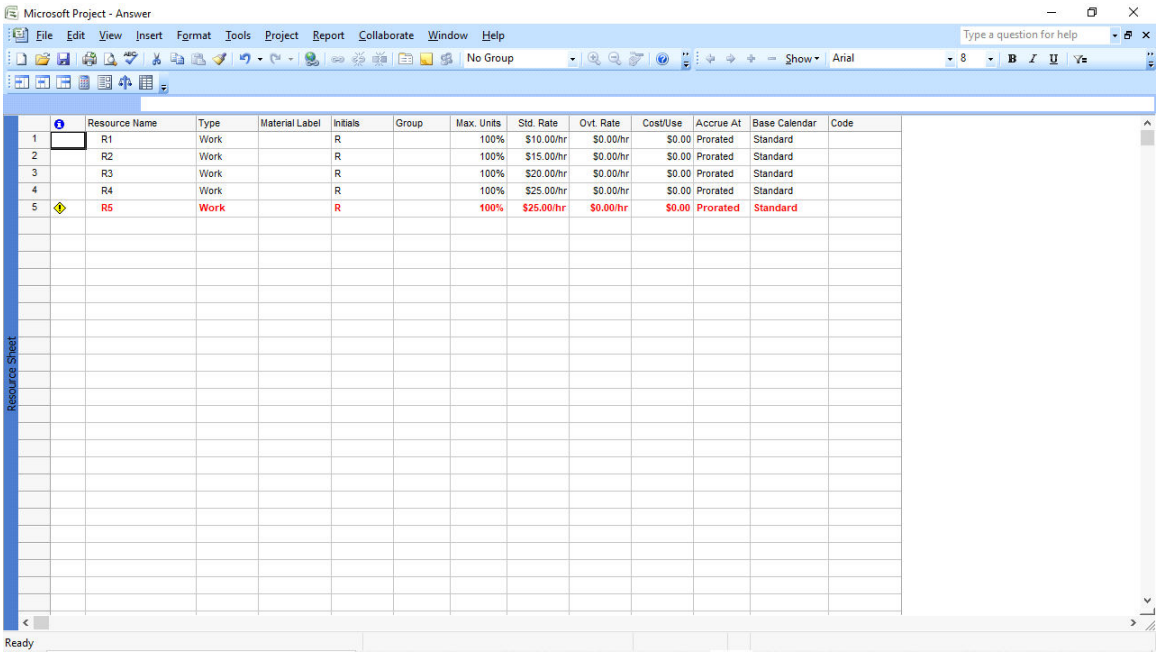
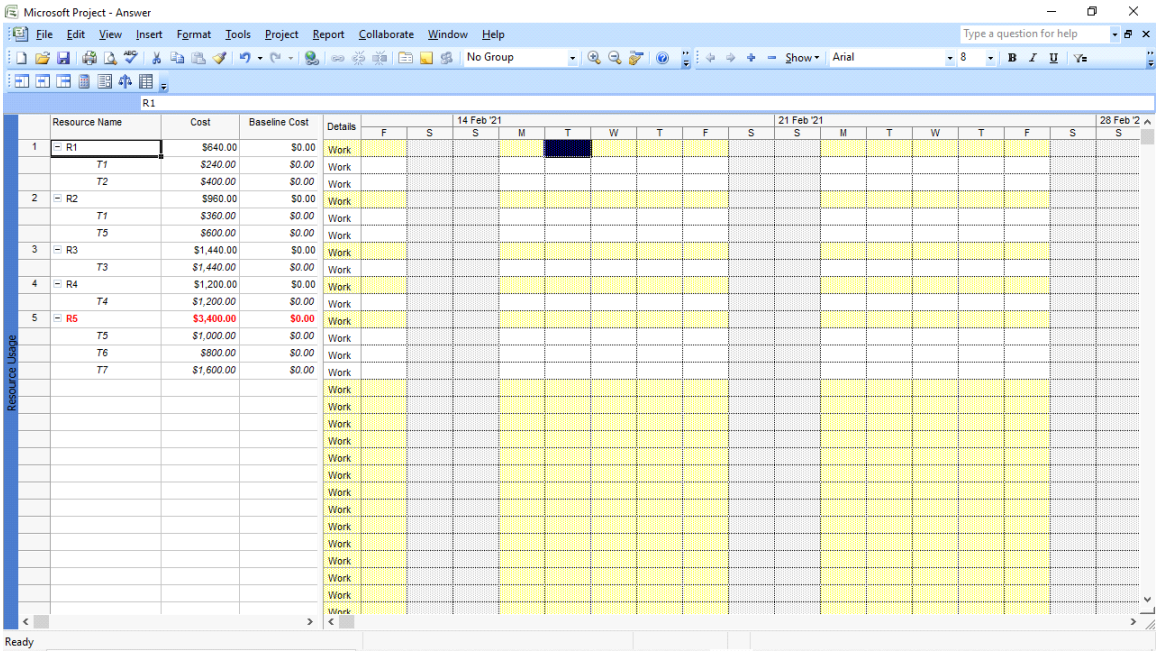
Type a question for help
No Group
Show
Arial
T1
Network Diagram
Ready



	Resource Name	Type	Material Label	Initials	Group	Max. Units	Std. Rate	Ovt. Rate	Cost/Use	Accrue At	Base Calendar	Code
1	R1	Work		R		100%	$10.00/hr	$0.00/hr	$0.00	Prorated	Standard	
2	R2	Work		R		100%	$15.00/hr	$0.00/hr	$0.00	Prorated	Standard	
3	R3	Work		R		100%	$20.00/hr	$0.00/hr	$0.00	Prorated	Standard	
4	R4	Work		R		100%	$25.00/hr	$0.00/hr	$0.00	Prorated	Standard	
5	R5	Work		R		100%	$25.00/hr	$0.00/hr	$0.00	Prorated	Standard	



	Resource Name	Cost	Baseline Cost	Details
1	R1	$640.00	$0.00	Work
	T1	*$240.00*	*$0.00*	Work
	T2	*$400.00*	*$0.00*	Work
2	R2	$960.00	$0.00	Work
	T1	*$360.00*	*$0.00*	Work
	T5	*$600.00*	*$0.00*	Work
3	R3	$1,440.00	$0.00	Work
	T3	*$1,440.00*	*$0.00*	Work
4	R4	$1,200.00	$0.00	Work
	T4	*$1,200.00*	*$0.00*	Work
5	R5	$3,400.00	$0.00	Work
	T5	*$1,000.00*	*$0.00*	Work
	T6	*$800.00*	*$0.00*	Work
	T7	*$1,600.00*	*$0.00*	Work

14 Feb '21							21 Feb '21							28 Feb '2
F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S