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Dept.: CSE-2-Y

Roll No.: 74

Subject: software Engineering Lab.

Sub code: ESE-591

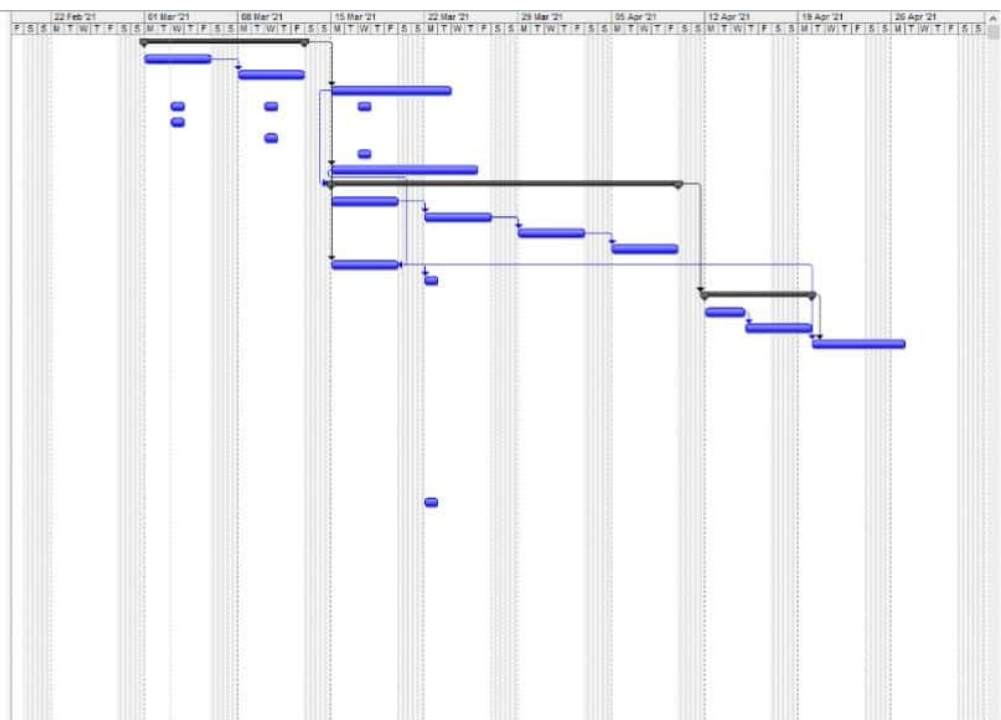
Q.No

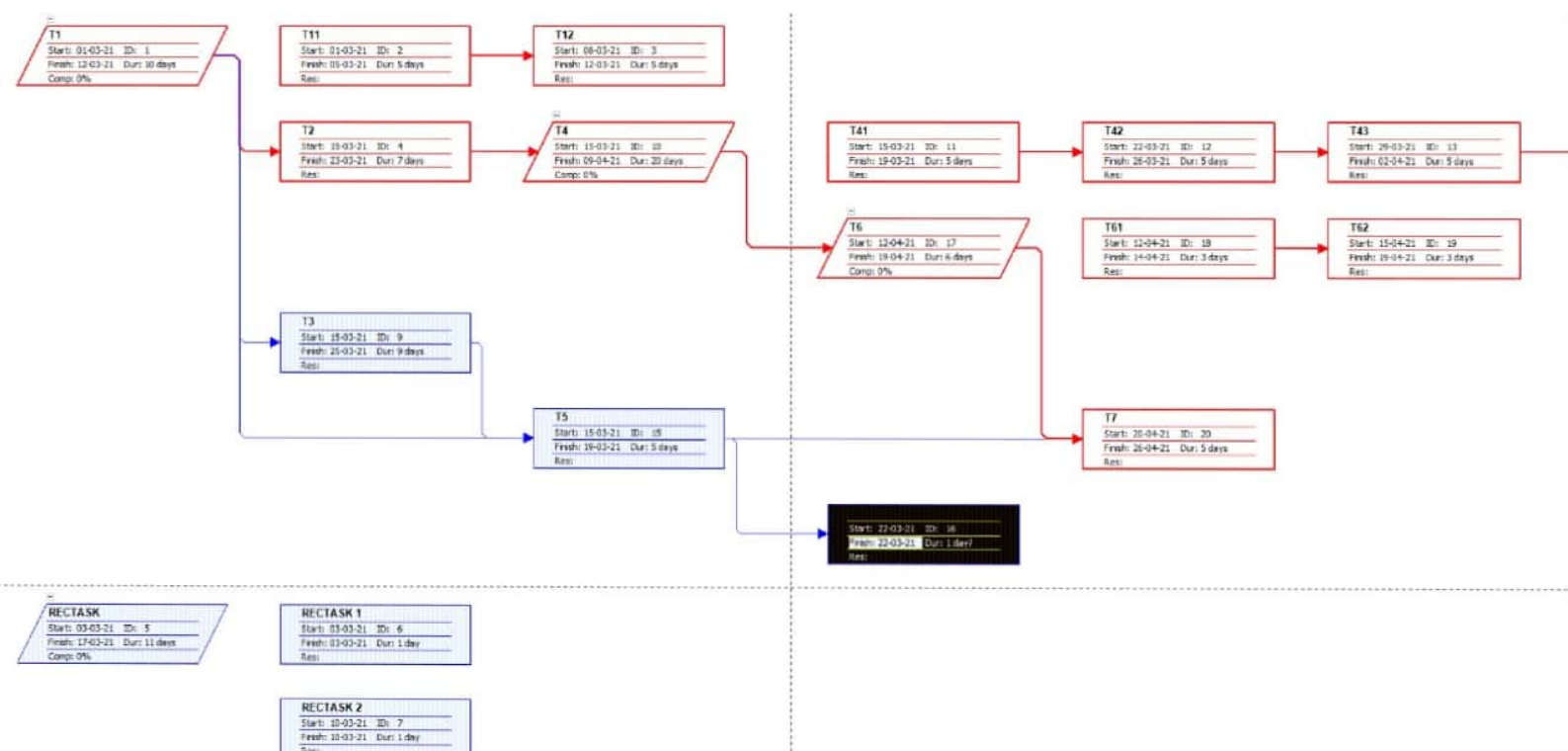
7(A)

Activity Table:

| S.S No | Task Name | Duration | Start | Finish | predecessors |
|--------|-----------------|----------|----------------|--------------|--------------|
| 1 | T ₁ | 10 days | Mon 01-03-21 | Fri 12-03-21 | |
| 2 | T ₁₁ | 5 days | Mon 01-03-21 | Fri 05-03-21 | |
| 3 | T ₁₂ | 5 days | Mon 08-03-21 | Fri 12-03-21 | 2 |
| 4 | T ₂ | 7 days | Mon 15-03 | Fri 23-03-21 | 1 |
| 5 | Retask | 11 days | Wed 03-03-21 | Wed 17-03-21 | |
| 6 | Retask 1 | 1 day | Wed 03-03-21 | Wed 03-03-21 | |
| 7 | Retask 2 | 1 day | Wed 10-03-21 | Wed 10-03-21 | |
| 8 | Retask 3 | 1 day | Wed 17-03-2021 | Wed 17-03-21 | |
| 9 | P ₃ | 9 days | Mon 15-03-21 | Thu 25-03-21 | |
| 10 | P ₄ | 20 days | Mon 15-03-21 | Fri 05-04-21 | 9 |
| 11 | P ₄₁ | 5 days | Mon 15-03-21 | Fri 09-04-21 | 4, 5, 8 |
| 12 | P ₄₂ | 5 days | Mon 22-03-21 | Fri 26-03-21 | 11 |
| 13 | P ₄₃ | 5 days | Mon 29-03-21 | Fri 02-04-21 | 12 |
| 14 | P ₄₄ | 5 days | Mon 05-04-21 | Fri 09-04-21 | 13 |
| 15 | P ₅ | 5 days | Mon 15-03-21 | Fri 19-03-21 | 1, 9, 5, 8 |
| 16 | P ₆ | 6 days | Mon 12-04-21 | Mon 19-04-21 | 10 |
| 17 | P ₆₁ | 3 days | Mon 12-04-21 | Wed 14-04-21 | |
| 18 | P ₆₂ | 3 days | Thu 15-04-21 | Mon 19-04-21 | 17 |
| 19 | T ₁₇ | 5 days | Fri 20-04-21 | Mon 26-04-21 | 15, 16 |
| | | | | | |
| | | | | | |

| | Task Name | Duration | Start | Finish | Predecessors | Resource Names |
|----|-----------|----------|--------------|--------------|--------------|----------------|
| 1 | T1 | 10 days | Mon 01-03-21 | Fri 12-03-21 | | |
| 2 | T11 | 5 days | Mon 01-03-21 | Fri 05-03-21 | | |
| 3 | T12 | 5 days | Mon 05-03-21 | Fri 12-03-21 | 2 | |
| 4 | T2 | 7 days | Mon 15-03-21 | Tue 23-03-21 | 1 | |
| 5 | RECTASK | 11 days | Wed 03-03-21 | Wed 17-03-21 | | |
| 6 | RECTASK 1 | 1 day | Wed 03-03-21 | Wed 03-03-21 | | |
| 7 | RECTASK 2 | 1 day | Wed 10-03-21 | Wed 10-03-21 | | |
| 8 | RECTASK 3 | 1 day | Wed 17-03-21 | Wed 17-03-21 | | |
| 9 | T3 | 9 days | Mon 15-03-21 | Thu 25-03-21 | 1 | |
| 10 | T4 | 20 days | Mon 15-03-21 | Fri 09-04-21 | 4,5,5 | |
| 11 | T41 | 5 days | Mon 15-03-21 | Fri 10-03-21 | | |
| 12 | T42 | 5 days | Mon 22-03-21 | Fri 26-03-21 | 11 | |
| 13 | T43 | 5 days | Mon 29-03-21 | Fri 02-04-21 | 12 | |
| 14 | T44 | 5 days | Mon 05-04-21 | Fri 09-04-21 | 13 | |
| 15 | T5 | 5 days | Mon 15-03-21 | Fri 19-03-21 | 1,9,5F | |
| 16 | T6 | 1 day | Mon 22-03-21 | Mon 22-03-21 | 15 | |
| 17 | T6 | 6 days | Mon 12-04-21 | Mon 19-04-21 | 10 | |
| 18 | T61 | 3 days | Mon 12-04-21 | Wed 14-04-21 | | |
| 19 | T62 | 3 days | Thu 15-04-21 | Mon 19-04-21 | 18 | |
| 20 | T7 | 5 days | Tue 20-04-21 | Mon 26-04-21 | 15,17 | |
| 21 | | | | | | |
| 22 | | | | | | |
| 23 | | | | | | |
| 24 | | | | | | |
| 25 | | | | | | |
| 26 | | | | | | |
| 27 | | | | | | |
| 28 | | | | | | |
| 29 | | | | | | |
| 30 | | 1 day | Mon 22-03-21 | Mon 22-03-21 | | |





RECTASK

Start: 03-03-21 ID: 5
Finish: 17-03-21 Dur: 11 days
Comp: 0%

RECTASK 1

Start: 03-03-21 ID: 6
Finish: 03-03-21 Dur: 1 day
Res:

RECTASK 2

Start: 10-03-21 ID: 7
Finish: 10-03-21 Dur: 1 day
Res:

RECTASK 3

Start: 17-03-21 ID: 8
Finish: 17-03-21 Dur: 1 day
Res:

Start: 22-03-21 ID: 30
Finish: 22-03-21 Dur: 1 day?
Res:

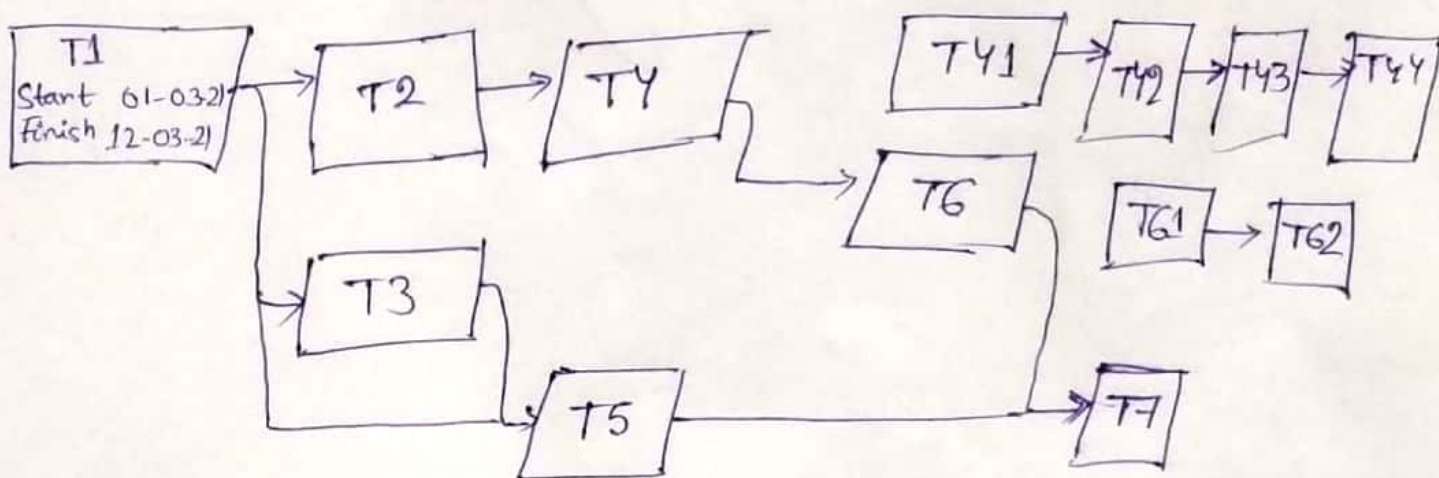
Q. 7

1st Part

Definition:

We have to draw activity network diagram and determine the finish date from the given data:

Network Diagram:-



RECTASK

RECTASK.1

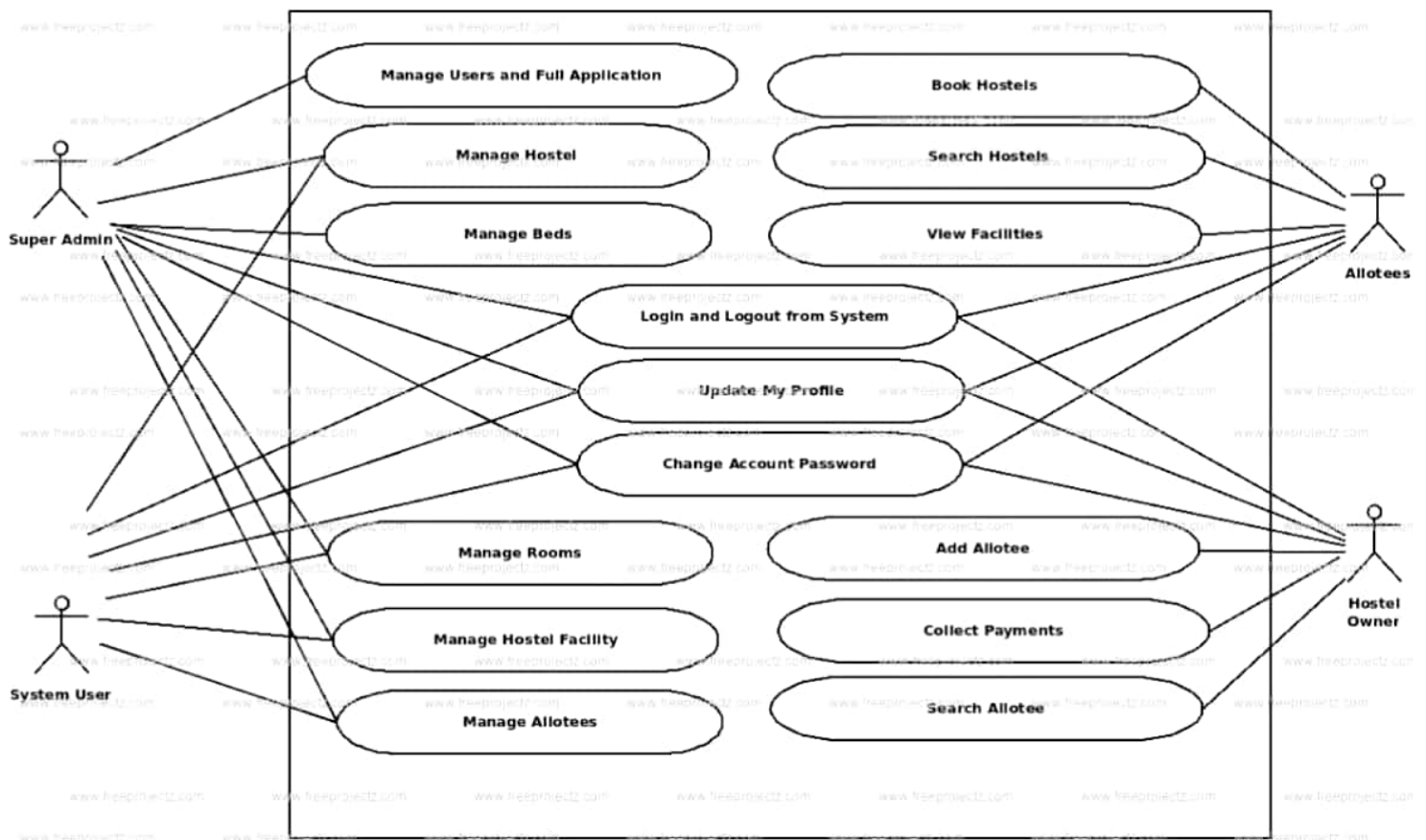
RECTASK.2

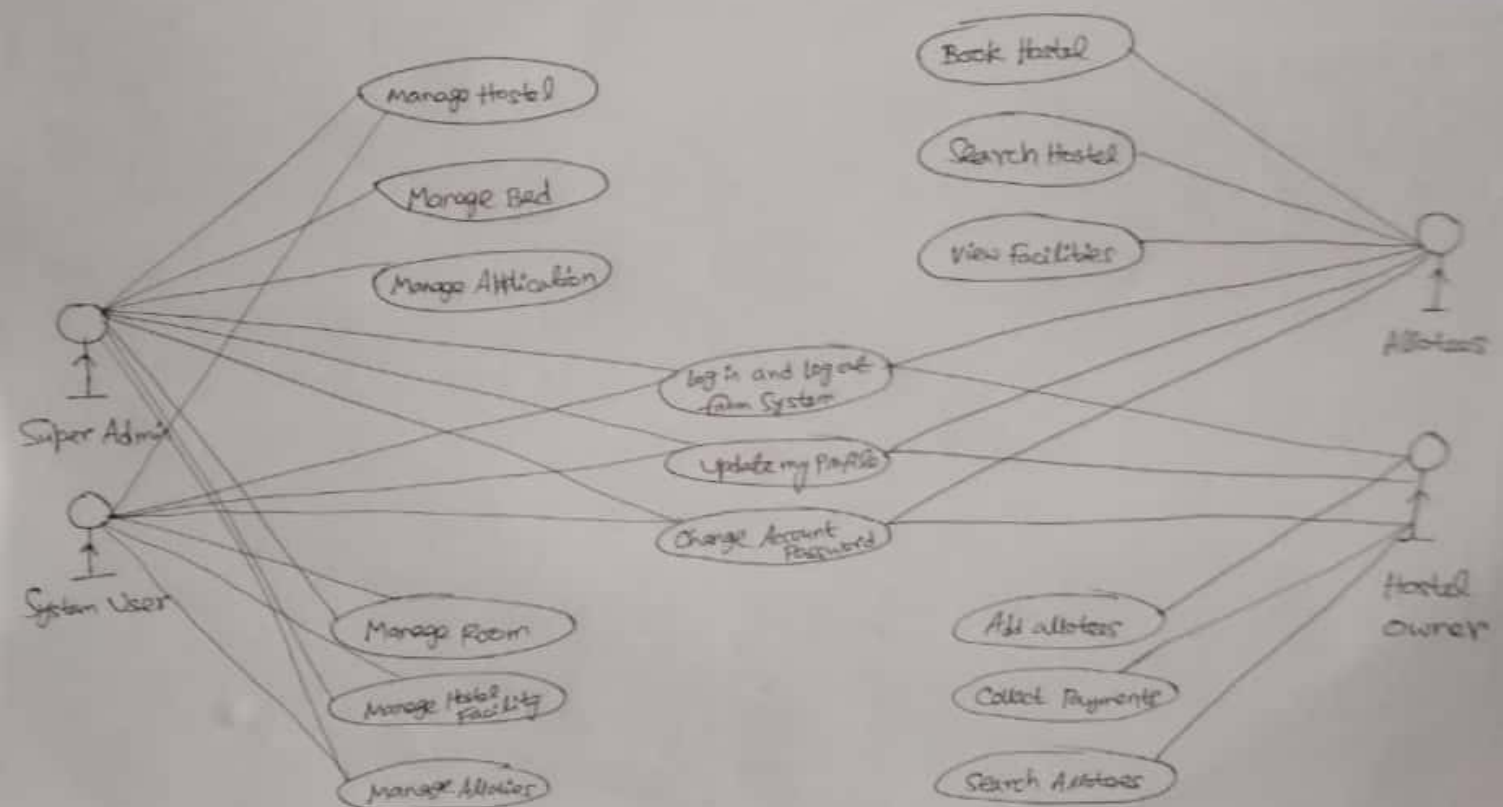
RECTASK.3

» Finish date = Mon 26-04-21

Q 7(B)

Draw ~~the~~ the use ~~case~~ case diagram of hostel Management system.
A use case is a methodology used in system analysis to identify, classify and organize system requirements. The use case is made up of a set of possible sequences of interactions between system and users in a particular environment and related to a particular goal. The method creates a document that describe all the steps taken by a user to complete an activity.





Use case Diagram of Hostel Management System.