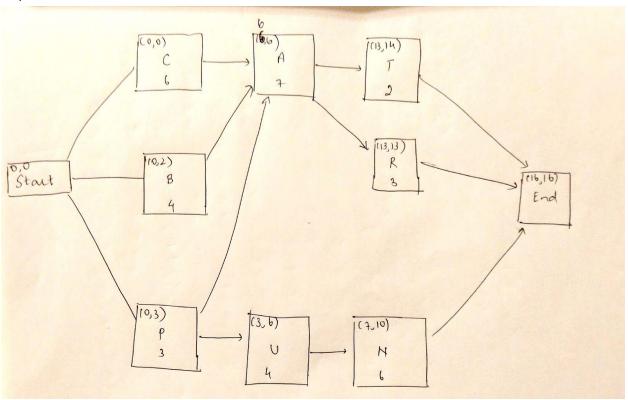
## **ASSIGNMENT - 4**

Q2)



c) Critical path -Start - C - A - R - End Total duration - 16 days

d)If activity P takes 2 days longer, then the duration taken by that path will be 15 days which is less than the max duration which is 16 days. Hence, there will be no impact.

If R takes a day longer, the max duration will increase by 1 day to 17 days as R falls in the critical path.

```
W FOPL
1) Player (Jerrica) 1 Player (Hannah) 1 Player (Saver)
12) Captains (Christina)
(3) Vx (aptain (x) -> player(x)
 4) ** player(*) ~ *y captain(y) -,
           friend (x, y) v hater (x, y)
55) 32 player(n) n 34 player (y) 1 with cires (x, y)
            -> - perend(xy)
 6) 32 player (x) ~ Jy player (y) ~ ceitra res (x, y)
              - - acticies (y,x)
+) ceitaires (Jessia, cheitina)
78) Ceiticines / Cheistina, Hannah) A Ceiticines (
                        (heriting, (auch)
(1a) Player (Jesus ca)
  b) Player (Sarah)
  () player ( Hannah)
 d) playursally)
 2) Captain (Chetitina)
3) In 7 captain(x) V player(x)
      - Captain (x) V player (x)
4) 3x - player(n) ~ 3y - captaincy) V
                    friend(x,y) v hater (x,y)
    Jelanjer (n) & Teaptain (4) v friend (4,4) v bot
```

```
5) Yn 7 player(n) v Hy 7 player y) v
7 with cizer (1,4) - 7 priend (4,4)
 relayer (x) V T playerry) V Tuitrainer (x, y)
          v Thrend(n,y)
6) XX 7 player(x) V typplayer(y) V Tuiticier(zy
              Vaiticins (y, n)
 Tplayer (x) V - player (y) V - citt cires (x, y)
              V cuiticies (y, x)
7) ceiticus (Jessica, cheitina)
8 a) Cuiticizer (Chuistina, Hannah)
  b) Cuiticres (Cheistina, Salah)
             Resolution
 ? - hatu (Jessitca, chiictina)
a) 7 player (Jessica) V 7 captain (cheistra) V
    friend (Jessica, Christina) (?+4) (Jessica) 12)
                                     Chertina ly }
10) Tplayer (Tessica) v Tplayer (Christina) v
    7 captain ( Christing) V 7 articles (Jessia)
                           (9+5) (Jessica/x,
                                    Chititina 14)
11) - player (Jesset a) v 7 capterin (Christina) v
      7 ceitici rest Jeserca, Cheistina)
                         (10+3) [ Jessia /x, Chir Hnaly]
12) Tolonger (Jeseta) v - ceiti cires (Jeseta, Chiesting)
                        (11+2) [ Jessia 1,
                                      chirtinal 43
```

13) - player (Jerstan) (12+7) STerraja, Chertina y)

(4) - player (Jerra) V player (Jerra)

(13+1) STerral)

Proved