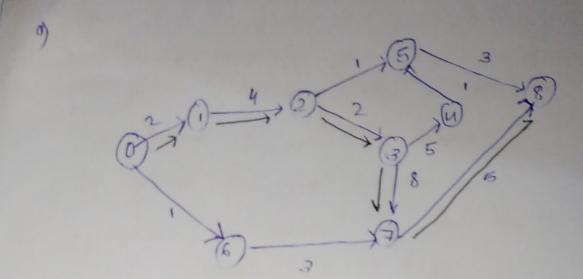
Asansol Engineering College Department of Imformation Technology Name: - Priyanka Kumari Roll:- 10800221133 (L28) Subject:- Industrial management (HSMC 501) Semester:- VH Year: 37d

- The table below gives the schedule of welding activities in an assembly shop:
 - a) praw the project metwork
 - b) Determine the slack times for each activity and mark the critical path
 - c) compute total project duration

A C Livity	Duration	EST	EFT	LST	LFT	Hon	
0-1 2		0	2	0	2	0	
0-2	4	2	6	2	6	6	
2-3	2	ζ,	8	L	8	9	
3 - 4	5	8	13	12	17	4	
2-5	1	6	7	17	18	41	
5 -4	1	13	14	17	18	4	
0 - 6	1	0	1	12	13	122	
3-7	8	8	16	8	16	Q	
6-7	3	1	Ч	13	76	1.2	
5 -8	3	14	17	18	21	14	
7-8	5	16	21	16	21	0	



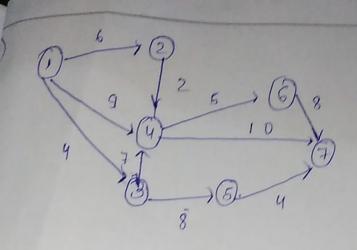
- An R2 D project hos a list of tastes
 to be performed whose time estimates
 are given in the table as follows
 a) Braw the project network

 b) find the critical path

 c) Find the probability that the project
 is competed in 19 days

 of Find the probability of completing it in
 24 days
 - e) If the probabilty of completion of project
 is 84% find the scheduled time of project

A C. Harity	To	Tm	Tp	Te	5+	Vt	EFIT	F57	LST	LFT	Hon
1-2	4	6	8	6	0.6	0 .36	6	0	3	9	3
1-3	2	3	10	4	103	106	4	0	0	4	0
1-4	6	8	16	9	106	2.5	9	6	2	11	2
2-4	1	2	3	2	0.3	0 009	8	6	9	11	3
3-4	6	7	8	7	003	10.09	11	4	4	11	0
3-5	6	7	14	8	1-3	b ·6	12	4	12	20	8
4-6	3	5	7	5	0 .6	1 36	16	11	11	16	0
4-1	4	11	12	10	1.3	2.56	21	11	14	24	3
5-7	2	4	6	4	6.6	0.36	16	12	20	24	8
8-1	2	9	10	8	1.3	1.6	24	16	16	24	0



5)
$$Cr^{0}L^{1}Cal$$
 path
 $1 \rightarrow 3 \rightarrow 4 \rightarrow 6 \rightarrow 7$
 $76 = 4 + 7 + 5 + 8 = 24$
 $8t = 103 + 0.8 + 0.6 + 1.8$

= [3.8 = 1.9

C)
$$D = 19$$
 $T6 = 24$
 $Z = 19 - 29 = -2.6$
 $1.9 \times 0.005\%$

$$D = 24$$

$$T5 = 24$$

$$Z = \frac{24 - 29}{1.9} = 0 \approx 0.5000/.$$

e)
$$Z = 84 \cdot 19. \times 0.841$$

$$0.841 = 0-24 = 0 = 0 = 25.59$$

$$1.9 \times 26 \text{ days}$$