Fourdrinier Project Planning

Activity	Description	predecessor	time	optimistic	most likely	pessimistic	expected	variance
а	build internal components	-	2	1	2	3		
b	modify roof	-	3	2	3	4		
С	construct collection stack	а	2	1	2	3		
d	pour concrete, install frame	a,b	4	2	4	6		
е	build high-temp burner	С	4	1	4	7		
f	install pollution control system	С	3	1	2	9		
g	install air pollution device	d,e	5	3	4	11		
h	inspect and test	f,g	2	1	2	3		

- 1 Construct an Activity on Node network
- 2 Construct an Activity on Arrow network
- 3 Determine Project schedule
- 4 Forward Pass: Earliest Start
- 5 backwards pass: Earliest Finish
- 6 calculate slack for each activity: LS-ES or LF-EF
- 7 PERT analysis: variability and variance calculation
- 8 Probabilites for finish: adding the variances, taking sqrt for standard deviation