

Manpower forecasting at Phelps

Phelp's Consumer Care is an electrical equipment manufacturing organization. They are conducting a recruitment drive to fill in the vacancies based on manpower planning and forecasting. The team led by the HR manager detailed the list of activities to be completed. They have identified the following activities, along with the times for completion of each activity.

Task	Optimistic time (days)	Usual time (days)	Pessimistic time (days)	Cannot begin until the completion of
Demand Forecast	2	3	4	-
Supply Forecast	3	5	7	Demand Forecast
Finalize and Freeze the requirement	0.5	2	3.5	Demand Forecast
Finalize JD and JS	2	3	4	Supply Forecast AND Finalize and Freeze the requirement
Source External Candidates	4	7	10	Finalize and Freeze the requirement
Map the Skills	1	4	7	Finalize JD and JS AND Source External Candidates
Send out intimation for interview	0.5	2.5	4.5	Map the Skills

Can the intimation for interviews be sent to the candidates in 18, 19, 20 or 21 working days? What is the probability of each?

Deliverable: A document containing (i) the network diagram with start and finish times and slack and (ii) p values calculation using z distribution.