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Activities	The most optimistic durations (a)	The most probable durations (m)	The most pessimistic durations (b)	Expected duration: (t)
A	1,43	2,00	3,00	2,08
В	1,43	2,00	3,00	2,08
С	1,43	2,00	3,00	2,08
D	1,43	2,00	3,00	2,08
E	1,43	2,00	3,00	2,08
F	2,86	3,43	4,00	3,43
G	5,71	6.42	8,00	6,57
Н	2,86	3,43	4,00	3,43
Ι	5,71	6,42	8,00	6,57
J	2,86	3,43	4,00	3,43
K	2,86	3,43	4,00	3,43
L	2,86	3,43	4,00	3,43
М	2,86	3,43	4,00	3,43
				44,07



Very high 0 Very high 0 High 1/4 High 1/4 Moderate 1/2 Moderate 1/2 Low 3/4 Low 3/4 Very low 1.0 Very low 1.0 ctivity A C E G I J M uportance 0 1/4 1/4 0 1/4 1/4 1/4 asiness 1/2 3/4 3/4 1.0 3/4 1/2 3/4	Importance	•	k_A^m		Easiness	5	k_A^m	
Ingn Ind Ingn Ind Moderate 1/2 Moderate 1/2 Low 3/4 Low 3/4 Very low 1.0 Very low 1.0	Very high		0		Very hig	gh	0	
Low 3/4 Low 3/4 Very low 1.0 Very low 1.0 ctivity A C E G I J M nportance 0 1/4 1/4 0 1/4 1/4 1/4 asiness 1/2 3/4 3/4 1.0 3/4 1/2 3/4	Moderate		1/2		Moderat	te	1/4	
Very low 1.0 Very low 1.0 ctivity A C E G I J M nportance 0 1/4 1/4 0 1/4 1/4 1/4 asiness 1/2 3/4 3/4 1.0 3/4 1/2 3/4	Low		3/4		Low		3/4	
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nportance 0 1/4 1/4 0 1/4 1/4 1/4 1/4 asiness 1/2 3/4 3/4 1.0 3/4 1/2 3/4		T .						
asiness 1/2 3/4 3/4 1.0 3/4 1/2 3/4	Activity	A	C	E	G	I	J	M
	Activity mportance	A 0	C 1/4	E 1/4	G 0	I 1/4	J 1/4	M 1/4





Methods	Advantage	Disadvartages
Gantt	 Easy preparation All steps can be seen with execution data and all elements. 	 Does not show the interdependencies of the activities. Cannot show the result of either an early or a lats start in activity. Does not show the uncertainty involved is performing the activity and, therefore, does not subwit itself to sensitivity analysis.
CPM	 The activities on the critical path have no float time, therefore limited resources must be first assigned to those activities to avoid project delay. Here the user is required to think through a project begically and with sufficient detail to establish finm, clear, project objectives, activities and specification. This minimizes the chance of overhooking necessary activities and goals of a project. 	 Considers only bgical constraints during planning which is not the real world of a constructio process. Duration is estimated once only.
PERT	 It serves as a necessary tool when the condition is changed to administration. It researches diverse effects. It lists all effects before executing other steps, so precautions can be taken. Helps how sources can be transferred critical activities, which affects result duration. All helps are served to administration from non critical to important critical activities. Makes multi- estimation a possibility so indefiniteness can be accommodated. 	 Probability distribution which assumed in bet curved is not based on theoretical foundation o investigation. Calculates duration variance between the beginning and end of the projects and deals with independence of activities. Estimation of the most optimistic and pessimistic and probable duration is not easy and all activities are dependent on subjective ideas.
тос	 Uses systematic approach to find critical chain and establish telefad buffars. Emphasizes both stategic (global k.) and practical (local k^m_A) aspects to control the project schedule. Proposes guidelines to establish various buffars and activity duration cut to shorten the project length rationally. Focuses very much on how senior management deal with huma behavior. 	 Lack of guidelines to establish poject, fæding an resource buffårs. All dynamic factors, the activity duration an project length should be included for corre- management of the Project Schedule.
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