	· Resource constrained						
	- level of rescurces awailable cannot be exceeded						
	Rescurces fixed, time is flexible.						
	Resource levelling: attempt to even out demands on resources by using						
	Slack to manage resources						
	J						
	Resource levelling: moin resource de marche de						
	PMBOK: " Any form of schedule network analysis in which schedule decisions						
3	are driven by resource constraints						
3	activities can be split (jump between activies) = negative impact						
	reducing overloading / difficult to manage fluctions of one resources leads						
3	to overloading another resource.						
3	· · · · · · · · · · · · · · · · · · ·						
	Network Sensitivity:						
3	· the likelyhood that the orginal critical path will change once intiated						
	Function of: All properties						
	Number of critical paths						
3	Amount of slack across critical activities						
	Uncertainty of time duration of activities.						
	Parison to the found of the second of the se						
	# 8 Cost Estimating & Budgeting						
	Ensured transfer to the second control of th						
	* Estimating:						
3	process of approximating the time cost of completing project deliverables						
	task of balancing expectations of the stateholders and need for control						
	Types: Designed as Visitionary amount bungle service						
	Top-down: unalogy, group consensus, mathematical relationship						
	Bottom - up: estimates of elements of WBS.						
	Methods:						
3	→ detail cost planning on work packages - accurate but expensive						
	industrial standards						
	functional staff members						
	Three times method Duration = a+b+4m						
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Cook increase:					
62503088 8	a dunina malphany samuasin la (25)				
· Uncertainty and little o	lefinition makes estimation difficult				
. 0	stimate -> Cost escalation				
±20% normal on proje					
Sources:					
- Uncertainty and	shortage of acurate information				
Changes in d	asign and requirements				
- Economic and	social factors of the manufacture				
Ego of the es	timetor and dispersion was accounted to				
Ineffective, k	bad communication and shortage of control				
- Project contrac	te ar i a a probably a di				
regions of time cost	Life Cycle Cost (LCC):				
uncertanty	cradle to grave costs				
	cost during Definition of Execution phase				
initiation definition	plus operation and disposal.				
definition execution	n sauce alooks to structor 4-				
and in the do	Target costs for operation maintenance disposing				
time	· Design system to most target costs				
* Estimating Process					
-	ronianalisad •				
Estimate: a realistic assesmon	nt based upon known facts, work, the resources, constraints				
and environm					
Target: desired outcome					
	of the estimated value to the authual value				
b	decimal places in the estimate.				
	prise commos c				
*Methods:					
Top down approaches:	real control of the c				
1. Expert opinion					
	pensation differences.				
	The state of the s				

3				. 73			
		\ *	18 30	Cast, Fnai	ne A = (cos	et, Engine B)	Thrust, engine A 70.7
				1 3 3		. 0	Thrust, engine B
			Ospina	mus no?	940.0 19	J (6)	riagna chair anemana) from t
	*	^					naviatore service transporte
		eq.			1		
(192		J	Cost	= 150 A	+ 300 \#	100ms + 18	o (# floors)
		Bottom (apr apr	roch:	51/7 ×	Ulun	spann was k siden siden
							CONTO CONTO E
				J	9		labour, materials, etc
						is a first	11 191 141 × 1000 15
		3 8	4 0	re the bes	st metho	ds. Rule	of thumb, the smaller the work
3			pack	lage the	better th	e estima	te. Man and the
			931134	g system			DAD 191875 3933 *
		Procedu	ire for	large	projects:		assol tradition (touth) .
		oldun s	itali 4	Sp19 31d1	<u>unitrop</u>	no a hair	plus-185 - 2125) 4
						•	packages made Industrial
		2, F1				es into idea	ntifiable tasks - determine labour
				erials, faci			
			*				s and material quantities
THE STATE OF THE S		4. F					al estimates
							some of below privile *
400		6. P	M: q	pproves th	e estimat	es, agrega	es costs, add in Dverhead costs
) -	۲ ,,	+nongique	S Shareton wodes **
		7 0		U			Zoverhead costs
	* * * * * * * * * * * * * * * * * * *						See I brighted 1996.
1		8.	141.	compoures	bottom-u		es to top-up target.
		<u> </u>	To	2 - day	Estimale	ensolos a	Bottom - 40 Schimale
	Intende	d					
	TILL GLOOD	0 026		requirement,		st estimate	fund timing
			TWITO	raginement	1 com of	- J	Two clining
	Preparat	ion Cost	1/10 +	0 3/10 A	tatal proi	ected cost	3 10 or 1% of total projected cost
	7		1,5	1 31			
	le .						Туро

		,	
<u>im</u>	(p (TEP)		
Acuracy	Minus 20% to Plus 60%.	Munus 10% to plus 30%	
	a la Largera jazumi	,	
Method	Concensus, Ratio, Apportion	Template, Parametric	
	Functional points, learning curves	WBS packages and and a	
	4		
	(a world an) och med an	· 4 [cos - A 4.8]	
Direct	Costs: * Direct management	* direct Equipment	
	* direct labour	* direct Expenses	
	* direct materials	un no de con hairothice	
	the same counts for indirect co	sts.	
, y hostel		the Hom some one one of	
	· Direct Costs	am my make sayatar.	
	→ costs clearly chargeable t	o a specific work package	
	· Direct Overhead Costs	: abstora some in fruitzell	
	- Costs directly tied to a	in identifyable project deliverable	
	· General / Adminstrative Costs	, 0	
71:6 10		ly linked to a spesific package	
	J	zaisatra almanan	
	4. Direct Cost	la) sur estables tarbitations is	
	The state of the s	st storenge ber dere ET et	
		S. File Later Line Endinger	
338	- costs are spent as the project		=1.0)
	→ labour, materials, Equipmer		
	e evas bornes a cove		
P	3. Direct Overhead Costs		
	estin era sa reprinte tarael.	1	,
MACO 2014 - 10 - 10 - 10 - 10 - 10 - 10 - 10 -		1	II
→ Organization resources used in project related to the project deliverables			
P311 (7)	determined by basing on a sp	and the same of th	
	payment of PM, rent of p		
	. 0		
Above Leson	- changes with time duration		9
20 E2 10 CM			9
			-

	C. General Overhead Costs
	C. Garda Ova flead ass
	Organization costs indirectly linked to a specific package
713.00	Organization costs of all products projects
	advertising book keeping
	- strategic decision of head officie
1 2 2	
	* Project Cost Accounting System
	respective to a small fine a transition of
3	· Enables budget information to be aggregated disaggregated according to
	work packages
100	· Project budget: subdivided into control accounts
3	
	Cost monitoring:
3	Weekly expenses and Cumulative Expenses
3	* Created from work packages budget
	* Expenses occur uniformly through work package duration
3	* Analogus to resource loading profile
	- Cumulative expenses shows the Budgeted Costs of the
	Work Schedule, which is expected expenditure growth
10.00	through out project.
	→ Planning and control:
· Lun	* weakly and cumulative expenses are adjusted to
	accommodate cash-flow capital constraints
	A side applies applies and abstract
	Level of detail:
	* different for different kevels of management
	* level of detail in WBS varies with complexity
	* Excessive detail is costly - unproductive paperwork * Insufficient detail is costly - lock of focus on goal
	The still and a service of the servi
	Allowed and a published to follow and a
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