	Unit ATH
	Date
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	Resource Allocation
#	loto:
_	Resource allocation is the process of assigning and
	scheduling avorlable resources in the most beflective
	and economical way possible.
	It is the mgd and delegation of resources throughout
	a project to ensure that it tuns as smoothly and
L	successfully as possible.
	The final result of resource allocation will normally be a
	no. of schoolules including.
B	@ Achivity achoolule: Indicates planned start and completion
	do how tox each achinty.
	Resource Schooluling, showing the dates on which each
9	rejourned will be I regar and level of that requirement
	@ Cost Schedule: Shows the planned cummula hive expenditure
1	Encurred by use of resources over the time
	WHO Allocates Resources:
(A)	Project Manager:
V	Project Manager: Helshe concentrates on resources which connot be sufficiently available / wed without proper planning
	audiciently avollable lured without proper planning
	when required
4	Another rejource is series s/w developer, as they are
7	I and at to lind to lowiest manager need to be
-	many combile place allocation of the for them an
	Another resource is senior s/w developer, as they are hardest to find. So, lowject manager need to be very coreful while allocating of t for them En advance.
*	David labora don't want to wait on they proter busy with
entury*	Dovelopers don't want to wait, as they proter busy with achivilhes and task that show clear progress.
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	Date
(2)	Page
(3)	Resource Organization:
	A program org. chart is very simpostant to allocate
- address	Crafts Seffeon rosty
- 4	Dovelop the hierarchial program org.
*	Identify Roles & responsibilities
_ +	Plan for number of staff on each role
*	Establish teams.
0.90 20	The state of the s
#	Idontifying Resource Requirements:
7. 44 (40)	for each and every activity, we need
-	to identify the resources Orequired en
100	the Ufollowing categories!
100	1111 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
	Klock Amount Required (In work units)
(8)	Bosic skill os Expesience Level required (to undertoke
103	Cambles it al last of the delarmine the
(9)	complexity of task (This will help to determine the experience required for that object)
1001	Carle Cotoon (Okillad Confishillad Chillad Con Localorship
	Task Category (8/killed/Senfiskilled/Skilled an leadership,
	monagement, emperts system and categories)
The same of the	alo caregina)
1	mample.
	HEDVING. MISTON NIW TILW XUZ ZU COMPUTAR
5012	Henviry, Install Myw Piew for 20 comparess
S012	Achivity: Install allw How for 20 computers World Units (block Amount) = 20

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(B)	Basic Skill Required = Bachelors Degree for reloted field
(0)	Task complexity = 5 (rate out of LO)
(D)	Task Category = skilled in Expert and Leardership Semiskilled in management- (ck.)
#	Resource Scheduling: After all the required resources have been identified and allocated, now they all need to scheduled according to their task priorities. and availability.
(0)	The very first task to be done is: stort date and end date
(b)	Then the used of resources should be monitored and balanced throughout the project
(0)	For Human Resource scheduling, following things should be considered: Planned Leave, Public Holidays Possible Sick Leave (random, it rant be predicted) Possible Sick Leave (random, it rant be predicted) Possible Sick Leave (random, it rant be predicted) Planeral motivation for the task they are allowated to do. Planeral motivation for the project. Possible Sick Leave (random, it rant be predicted) Possible Sick Leave (random, it rant be predicted)
(Cintury-	

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	Resource Histograms:	
	Commonly useal during planning to Endicate possible	
	broblem areas.	1
-	Reople (by category) vs kleek number	
	@ For Endividual estimated no of tasks over weeks	
ball the latest	etc.	4
Eg.		
	Week Number	
	Specify overall 5 6 7 8 9 10 11 12 13	-
- 1,0515 %	a constant of the contract of	TE.
July mich	11 Byan	
1	the the contract of the contra	3 1
	check specification	1100
at a to	Design module 4	1
	N C VIIIII	
-	VI V C VIIII IIII	1 100
-	()//////////	
- Damer	the same of the sa	
	Fig: Resource Histogram	
	White rectangle indicates when an actual activity is	
	schooluled	
134		-
	Shaded rectangle indicates total floor.	-
	. The first on had been beat feld the	4 8
		1
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	= Resource Smoothing
-	It is one of the project mgt tools used in the resource
-	The zation rechniques. It is defined on technique that
	- acquists the activity of a schedule model so that all the
-	regularements together resources do not go beyond limits than
-	already pre-defined during planning.
-	
1	There are only few resulble resources that are limitless
-	thus the time schoolutes have to be imposed and adjusted to
	manage limited availability of revources in given time.
-	The main objective of this tool is to complete the
-	work activity within required date and, at the same time
100	avoiding I peaks and boughs or the resource demand.
	Comment of the commen
#	Resource Bolancing: (Leveling):
1300	is making sure that work is allocated equally, and
1800	is making sure that work is allocated equally, and
1000	last Ithing, any project manager has to do Vis to over-
	load one of more beam members and others letting to work
	little only. Then a question arise, know to malle sure
	oach resource has equivalent work to amount of available
	Lime?
	This is where resource balancing (leveling) is take into
	MO AMMAT. HOW
8	Circl of all make seven the blook Brook down abrieting (KIBS) is
0	First of all make sure, the klock Break down Structure (k1BS) is thorough and accurate and list all resources and activities. Now, identify most critical tasks and allocate best resources
1	of the 1the met as bird today a dollarate book removered
(3)	Now, 1 dentity most chircal rusky and allocate sest esources
	for that work.
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	Date	
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C	Now, its time to begin resource leveling:	
- main	Excheck to see how many hours Jave available per team	
- sit	member for worls than determine how many hours	
- 200	howe been allocated to each person.	
	Did there is any uncertainity in allocation of time perm	
	then the Jasky should be adjusted so that the	
na Falla	no of togo work hours are equivalent to the no of	
57 19	hours available.	
1 12 18	By doing this, all critical tasks are labeled.	-
Dally Maria	How. Jollow some porcedure for non-critical tasks.	
State to		
	Resource Allocation Issues:	
(a)	Availability: We need to know if a particular individual noill be available when required.	
	will be available when required.	
	0.010	
(6)	Criticality: Allocate the more experienced personall to the	
der curi	entical activity, which is very tough task to do.	
^	The state of the s	
(C)	Kisk: Allocate highly experienced personal to highest	
Saals	Risk: Allocate highly experienced personal to highest risk achivity to reduce overall project uncer top nity.	
m		
(d)	Training: Proper tookning need to be provided to every person obout the I task they are given to.	
	about the I task they are given to.	
- (1014)	Superior of the same and the same of the second of the second second second second second second second second	
(e)	Team Building: Propor selection of members for particular toom to do particular task.	
Lavore	Jodn he do particular task.	
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