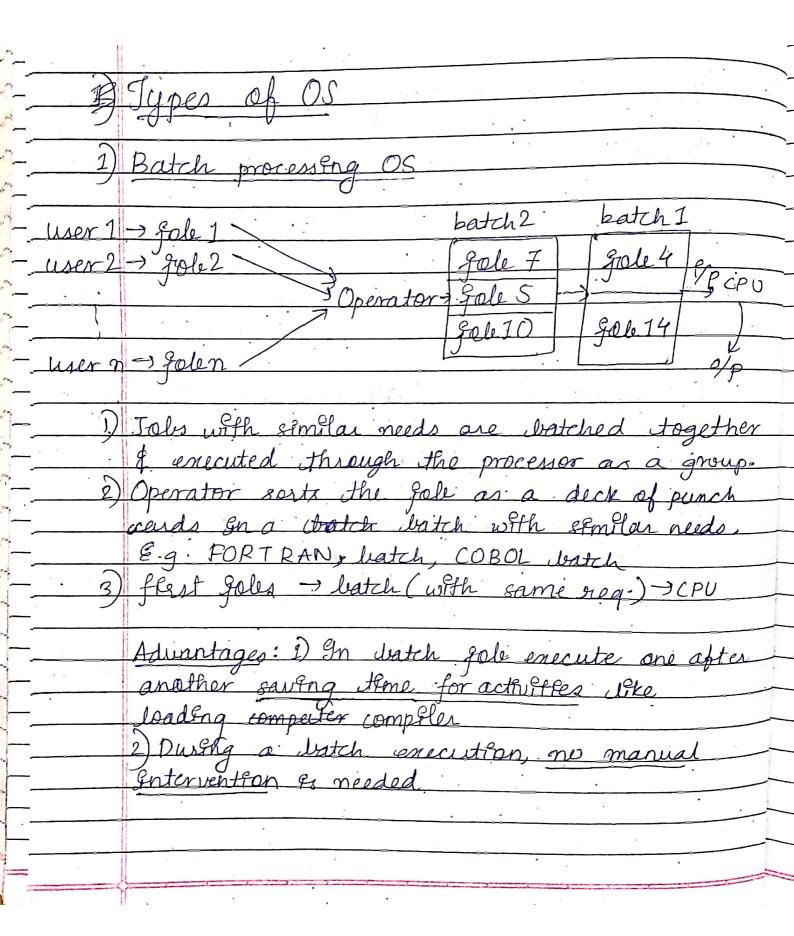


à .	Date.
,	Prémary goal
	Convienzence (Dendous)
	Throughput: Ng. of tasks enecuted per unit time: (2 Forum)
,	Functionalitées of OS.
<i>_</i>	Resource Manager;
	Used on Parallel processing where multiple rusers are touging to access one device
<u> </u>	De la la responsant à
~	as CPU scheduling, managing of executing
<u></u>	Manageng the data to be stored on HD - Fele system
~ `	Memory Managiment (RAM) + Allocation & deallocation of RAM
	Security Also provides security b/w processes
	Types of Operating Systems
	Batch

2) Multi-programmed 5) Destributed

3) Multi-gransmed 6) Clustered

4) Real Home OS 7) Embedded.



		Page No.:
		Date.
	Desadvantage: D Memi	Dry Samffattan
	2) Interaction of 1/0	4 op devrees derectly
	with CPU.	The case of the contract of
	3) CPU remerons ad	le during loading &
	Unudang	
	9 Non-premion	
	S. Spooling (Semultane	ous perspheral deveces)
	U	
-	1/p -> CPU-	7 0/p
	A	
	· · · · · · · · · · · · · · · · · · ·	
	Secondary 8	forages:
-		
	1	
	Advantage:	
	Inc: the system perfo	
2)	Resolve the problem	of speed mesmatch
	of diff. devices.	
3)	I/o of one gole so	overlapped with
	computation of other	2.00
- 4)	Spooling use the d	es a nuge buffer.
	200160	Bufferring
. 11	pooling	Uses Smited memory:
	lses HD as a large pool Cspool & a	space an RAM called
3.4	temporary storage	buffer (buffer es a
- 11	urca en HD)	demporary storage area
		an RAM)
	, 19	
10	•	

	Date.
Multiprogramming C	25
KIM OS	
CPU CPU	C)SM
P ₂	(Non-preemptsix)
Pn	
D. Nulle	the die 1
D) Multiprogramming mean process in main meme	ony ex ready to execute-
2) Process generally requi	tre CPU time & I/O time.
other task wheel	perform I/O or any person't requerc-CPU then
enstead of siffing	selle, CPO makes context
switch & pick some	other process & the Edea
3) CPU never remagns	Idle runless there &
no process ready to	execute or at the
deme of a context	- swiften.
Advantage	Desadvantage
1) Hegh CPU utilization	Dolffffult Scheduling
2) Jess wasting time, response time etc.	9) Magn memory maragement
3) May be exercited to	
multiple wers.	
y Wowadays useful. when Load & more	memory allocation
	- Wienery warranten
5 Users assume that	
CPO & Struttaniously	
working on multiple programs	
	Scanned with OKEN Scanne

	Page No.:
	M. 112 1 . 20.
,	Multitasking OS
	Hulf-tasking & multi-programming with 19me-
	Sharting Course
	So out the test of switches leet" process
	gracing what stagger officeron that all
	CHILL CHILL
	The dark on multig-tasking may refer to
	(b). X (m) programme
·	multi-tarken & enecution a moule
	procen together.
	Deal de a a
_=	Real-Jame OS - 97 gg rised an enveronment
	a large number of events mostly
	external do system must be accept accepted
	& processed on a chart time of offen
	certain deadlines. The some interval for
-	sign to process & suspense to sip so very
	small.
	Stand RTOS demands
	Stard RTOS: Guarantees criffical time to
	de completed in within a range of time.
	dine
	Soft RTOS: Provides some relanation en time
	THE STEAM OF THE STEAM OF THE ITME.
And the second second	Advantages DManm utilization of devices &
	system system
	2) Better task shifting
	3) Error free systems

	Page No.
	Date.
	Desadvantages:
	19mited tasks
	Complex algorithms
$-\frac{1}{2}$	Use heavy eystem resources
_ 3	1 We ready system
<u> </u>	Destributed OS:
	It uses multiple central processors do serve
>	multiple real some application & users.
	multiple real time appearance destributed among
\rightarrow	Data processing gols are distributed among
\$10.14	processors accordingly.
<u> </u>	
	Processors communicate with each other thro-
711	vargous communication lines Couch as high
	speed luses or telephone Ines). These are
1.	referred to as doesely coupled systems
	or distributed systems.
	in the same point of the will be the initial in
0	(CPO desk) (CPO
	memory (cpo desk).
	memory
	(OS)
-	
	A 4
	Advantages:
1. 4.	Fasher D'Failure of one metivork connection
	doesn't affect other.
	2) Delay en data processing reduces.
	Désadvantages
	D'Failure of main network will stop
	entire communication.
	II and the second of the secon