						Aim: To study & implement the first come, first serve (FLFS) algorithm of CPU scheduling &	Experiment No. 3
ST. VINCENT PALLOTTI COLLEGE OF ENGINEERING & TECHNOLOGY, NAGPUR - 441 108	Gantt Charct:    P2   P1   P3	Process 12 Burst Time (BT) Arrival Time (AT)  P1 5 ms 2 ms  P2 3 ms 0 ms  P3 4 ms 4-ms	Example of Gensider the following table consisting at processess  14, 192, 102, 103, 104, 104, 104, 104, 104, 104, 104, 104	exactly what it sounds like processess are attended in the order which they arrive in the ready queue. FCES (PU scheduling algoriss a non-precomptive algorithm, meaning once a process starts running it connot be shapped watil to voluntarly requires	algorithms.	Aim: To study & implement the first some first serve (FCFS) algorithm of (P) scheduling & it's full mourant lade.	Experiment No. 3

Process	Completion	Tum-awund	Waiting-
	Time (LT)	Time (Ar)	Time (WT)
P2_	3 ms	3 ms	O ms
P1	· 8 ms	6 ms	1 ms
P3	12 m8	8 ms	4_ms
	16		
	Average: TAT=	= 1.67	1
	WAT	= 5.67	
	117		
Cada	110700 0000000	ald a	
Code:	Using namespace Class process ?	014	مد باید پیدر بید و د
	Class process		and the second s
	private	intat;	:
		IND QE	and the same hards are a same hards and a same and a same a same and a same a same a same a same a same a same
140	· · · · · · · · · · · · · · · · · · ·	int ot;	
		int ct;	A many to professional and the second of the
		int tat;	and the second s
441.0	The same of the sa	int wt;	£ 240000
	In Feb 1 Tour	int pld ;	A
والموارط والوال	public	Committee of the state of the s	1 (2)
	1	int & operator [	1 (String var)
	. /		
		if (var ==	m at:
		if (vor ==	"bt")
		reti	im bt;
		retu  f (vaz =="	(t")
			m ct:
	1		DLOGY NAGPUR - 441 108

ST. VINCENT PALLOTTI COLLEGE OF ENGINEERING & TECHNOLOGY, NAGPUR - 441 108

if (var == "tat")
nturn tat;
if (vor == "wt")
return ut;
return pid;
1) () ()
void update-after-(t()?
tat = ct - qt;
tut = tat=bt;
void display ()
printf ("1.d H 1.d H 1.d H 1.d H 1.d L 1.d \t 1.d \t 1.d \t .
pid, at bt, ct, tat, wt);
float average (vector (process)?, string vous) {
int total = 0
for (auto temp; P)
total += temp [var];
return (float) total P. size ();

ST. VINCENT PALLOTTI COLLEGE OF ENGINEERING & TECHNOLOGY, NAGPUR - 441 108

int main () {
int n;
cin » n:
int counter = 0.
vertor < Process> P(n).
vertor < Process > P(n); - for (Process & temp : P) {
temp ["id"] = counter ++;
cin >> temp ["at"] >> temp ["bt"]:
sort (P. begin () Prend () [] (Process first)
Process Second) {
return first ["at"] < second ["qt"]:
<u> </u>
printf "pid It at It bt It ct It tat It ut In").
P[0]["ct"] = P[0]["at"] + P[0]["bt"].
P[O] update-after-rt();
C) yalqaib, Eq. 9
And the second s
for (int = 1; i < P. size L); i++) {
if [P[i]["at"] < P[i=1]["(t"]) {
P[i]["ct"]= P[i-t]["ct"] +
P[i]["bt"].

ST. VINCENT PALLOTTI COLLEGE OF ENGINEERING & TECHNOLOGY, NAGPUR - 441 108



ii 6	
We I	
Drivet Caro Cat I: Ind. The	TO I del
PINITED PLI-NITE	1):
PINTET = PINTET + FINTE	51
	77
FIT undate after 12 De	
PTT-sizping ();	
Tracks American Enter & 102	16 m
The state of the s	* select ) -
UN-TILDE	, My
THE TOP OF	
	and the state of t
Druce Druce Wit	L
	10
Laster a deliner	عد الكارات
<u> </u>	- 93 - 93
3 8 35	- Ber
	Asser - Maringhamble - Mile - 1
Arrent Tum Through Time =	All and a state of a state of a state of a state of the s
Arrent Tum thought Time =	5.
	~

ST. VINCENT PALLOTTI COLLEGE OF ENGINEERING & TECHNOLOGY, NAGPUR-441 108

scheduling algorithm.	St. WICHT PALOTT COLLEGE OF ENGNEERING & TECHNOLOGY, MAGNET. 401 108		Conclusion: We have Suct
	ST. VINCENT PA		So Hitro

The state of the s