Ex. No.: 6c)
Date: 23/2/25

PRIORITY SCHEDULING

11 : wint to for!

Aim:

To implement priority scheduling technique

Algorithm:

1. Get the number of processes from the user.

2. Read the process name, burst time and priority of process.

3. Sort based on burst time of all processes in ascending order based priority 4. Calculate the total waiting time and total turnaround time for each process 5. Display the process name & burst time for each process.

6. Display the total waiting time, average waiting time, turnaround time

Program Code:

Till elien

n = int lentut ("Enter number of processes!"))

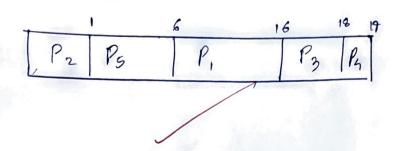
P = [(i+1) por i in sconge(n)] 6t= E3 Private = [] 23/2/25 for i in range(n): paint ("PEi+13: -") el = int (input (*Buest Tiros: ")) let-appoind (el) ll_i= int (input (" Priority: ")) pourty append (d1) poer i in Irange (m-1): pour jun sange (n-i-1): priority 5 > priority +15: perond [;], poutrilij + 15 = perond [; + 17, pront[] 5 中等了,户等和了一户等和了户等 Ctys, bty+1-bty+13, bty3 C=[0]#n ctlos=utlos for i in erange (1, n): ct [i] = ct[i-i] + Dt[i] tat=ct&J wt = [tat li] - let [i] for i in econge(n)] dat = seum (tot)/on awt - Sum (wt) /n paint ("Vi Paracess It BT H CT HTATIENT")

four i in enouge (si):

print (full pliss It It Ebtiss H Ectiss H Etatris 3 H Ewitiss")

paint (1 10 du Trumparaceud Time: 201" of -11) point ("In try Tuenococcid Time: %.24" % alot)
point ("Ary Wailing Time: %.24" % aut)

Grant Chart :-



Sample Output: 0 E X L. C\Users\admin\Desktop\Untitled1.exe Enter Total Munber of Process:4 = Enter Burst line and Priority Ptil Burst Time:6 Priority:3 PIZI Burst Time:2 Priority:2 P[3] Burst Time:14 Priority:1 rta: Burst Time:6 Priority:4 Iurnaround Tine 14 16 22 28 Waiting Time 0 14 16 22 rocess Burst Tine Average Vaiting Tine-13 Average Turnaround Time-20

Enlew Number of perocesses: P1:- Burst Time: 10 Burst Burst: 3 Perovi		BT	CT	TAT 1	WT
Burel line; 10 Burel Burel	1. • 6	5		1.774	
P2: - P5:- Bisord Timo: 1 Burst		10 2 1			
2					
P3:- Buest line: 2	Average	Twence	roud	tine	: 12-00
Bucst kine: 2 Paccorely: 4	Average	Wouting	fine	- 8.	L ,

Result:

The Perogram to emplement perweite CPV schooluling how been successfully executed.