Ex. No.: 6a)
Date: 21/2/25

FIRST COME FIRST SERVE

Aim:

To implement First-come First- serve (FCFS) scheduling technique

Algorithm:

- 1. Get the number of processes from the user.
- 2. Read the process name and burst time.
- 3. Calculate the total process time.
- 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:

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int main ()?

paint ("Enter no. of parocess").
Scant ("%d", &n);
out lewest in]: point ("Enter the . levestime"): for (int i=0; i<n; t+)

Bound ("%d", & dewood (i);

pound ("Porocess BT WT TAT in");

int at=0, tat = boost (0); float aug_wt =0, aug_tet=0; for (int i=0; i <n; i++) pourt ("% od % of % od % od ; i, burchtes],

arg-wt= wt;

arg-tat += tat;

wf = wt + burst les;

lat = burst [i+1]; wt;

35 avg_ut = avg_ut/n;

oug_tot = avg_tot/n;

points ("Avoing TAT = ", ", ", avg_ut)

points ("Avoing TAT = ", ", ", avg_tot)

Fylhon code:n = int (input (Enter number of processes: ")) 6t = 53 pount (" Enter burst time: -") for (in sange (n): el = int (unput (j "For P {i+1}; ")) bt-append(el) at = logx n ct[o]=bt roj for i en everage (1,n): ct [i] = ct[i-1]+ bt[i] Total: J est = [tatli] - btli] for i in rang (n)] alat = sum(bt)for aut = sum(wt)/n fruit (" In Brocess I t BT I t CT I t TAT I WI") for i en range (n):

pount (f "P {i+13 \t {btrij}\t {crii}\t {tatij}\t {wt [i]}") pount ("InAverage Tornaround time: "0. 2/" /o atal) person ("Average Waiting Tem: %. 2 |" " sout) Grantl Chart: -

200000

Sample Output:

Enter the number of process:

3

Enter the burst time of the processes:

2433

Process	Burst Time	Waiting Time	Turn Around Time
0	24	0	24
1	3	24	27
2	3	27	30

Average waiting time is: 17.0 Average Turn around Time is: 19.0

Enter number of paoceso: 3 Enter the broad lime: 5 3 8

Pnocoss	BT	WT	TAT
0	5	0	5
V	3	5	8
2	8	8	61

Average WT: 4.3 Average TAT: .9,7

Result:

Parogram to implement FCFS scheduling Itahnique was executed successfully.