

# OPERATING SYSTEM ASSIGNMENT

Submitted By,

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# CPU SCHEDULING

## ROUND ROBIN SCHEDULING

P_ID	Arrival_Time	Burst_Time
P <sub>1</sub>	0	5
P <sub>2</sub>	1	3
P <sub>3</sub>	2	1
P <sub>4</sub>	3	2
P <sub>5</sub>	4	3

### GIANTT CHART

$P_1$	$P_2$	$P_3$	$P_1$	$P_4$	$P_5$	$P_2$	$P_1$	$P_5$	
0	2	4	5	7	9	11	12	13	14

READY QUEUE :-

P <sub>1</sub>	P <sub>2</sub>	P <sub>3</sub>	P <sub>1</sub>	P <sub>4</sub>	P <sub>5</sub>	P <sub>2</sub>	P <sub>1</sub>	P <sub>5</sub>
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P_Id	Arrival-Time	Burst-Time	completion-Time	Turn Around Time	Waiting Time
P <sub>1</sub>	0	5	13	13	8
P <sub>2</sub>	1	3	12	11	8
P <sub>3</sub>	2	1	5	3	2
P <sub>4</sub>	3	2	9	6	4
P <sub>5</sub>	4	3	14	10	7

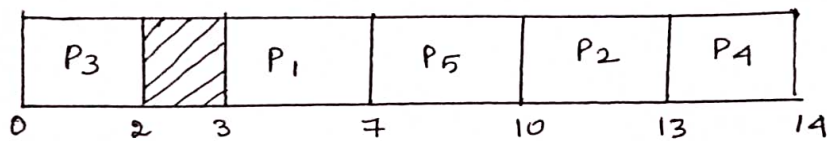
Average Turn-Around-Time = 8.6

Average waiting-Time = 5.8

# FIRST COME FIRST SERVICE.

## CPU SCHEDULING.

Process	Arrival Time (ms)	Burst Time (ms)
P <sub>1</sub>	3	4
P <sub>2</sub>	5	3
P <sub>3</sub>	0	2
P <sub>4</sub>	5	1
P <sub>5</sub>	4	3



Process	Completion Time (ms)	Turn around Time (ms)	Waiting Time (ms)
P <sub>1</sub>	7	4	0
P <sub>2</sub>	13	8	3
P <sub>3</sub>	2	2	0
P <sub>4</sub>	14	9	8
P <sub>5</sub>	10	6	3

Average Turn around Time : 5.8ms.

Average waiting Time : 2.8ms.